



Digitized by the Internet Archive
in 2014

<https://archive.org/details/b19974760M2668>



REGISTERED AS A NEWSPAPER

TELEPHONE: CENTRAL 361/
TELEGRAMS: "CHEMICUS,
CANNON, LONDON" (2 Words)

PUBLISHED WEEKLY AT 42 CANNON STREET, LONDON, E.C. 4.

SUBSCRIPTION (WITH
DIARY) 20/- PER ANNUM
SINGLE COPIES 9d.

No. 2558.

FEBRUARY 16, 1929.

Vol. CX.



VITAMIN MALTED TOFFEE

Rich in Vitamins A, B, C, & D.

HIGHLY RECOMMENDED AS A VALUABLE NUTRI-
TIVE AND TONIC FOOD FOR CHILDREN & ADULTS

In decorated tins 5/- Doz. net

MEGGESON & CO., LTD. BERMONDSEY,
LONDON, S.E. 16

Makers of Medicated Lozenges for over 130 years, EXPERIENCE DOES COUNT.

A NEW REMEDY for the treatment of CHRONIC ARTHRITIS

ARTHRYTIN

(Registered)

(AMMONIUM ORTHO-IODOXY BENZOATE)

MAY & BAKER, LTD.

BATTERSEA - LONDON, S.W. 11

You are cordially invited to visit

STANDS K93 & K102

BRITISH INDUSTRIES FAIR, FEB. 18 — MAR. 1

*and inspect our exhibit. We
shall be pleased to meet you
and discuss any problems of
mutual interest.* ❧ ❧ ❧

GRAESSER-MONSANTO CHEMICAL WORKS

LIMITED

KING WILLIAM STREET HOUSE.
ARTHUR STREET, LONDON, E.C.4

Manufacturers of

PHENOL (Carbolic Acid)

PARA-CRESOL.

META-CRESOL.

ORTHO-CRESOL.

CRESYLIC ACID

ACROSYL (British Lysol)

SALICYLIC ACID, B.P.

SALICYLIC ACID, Technical.

ASPIRIN.

VANILLIN.

SACCHARIN.

ALLANTOIN.

Our Bonus Offers

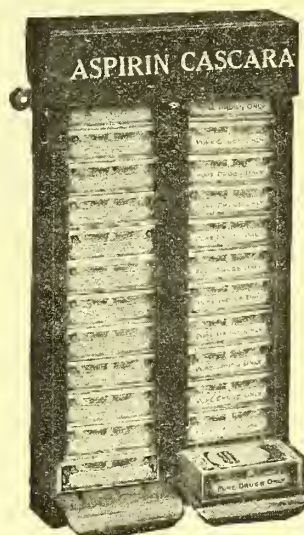
ARE STILL OPEN !

**WITH THREE DOZEN SALVARONE
HAIR-DARKENING BAY RUM WE WILL
GIVE SIX BOTTLES FREE**

**WITH THREE DOZEN
MORUETTE COD LIVER OIL
TABLETS WE WILL GIVE SIX
BOXES FREE**

and—

If you fill in the following Order Form we will
give you the Handsome Wall Stock Cabinet,
suitably printed, **FREE**



To—

Arthur H. Cox & Co., Ltd., Manufacturing Chemists, Brighton

Please send 1 gross Aspirin Tablets 25's at 43/- per gross.

1 gross Cascara Tablets 25's at 40/- per gross.

Six dozen Aspirin Tablets and 6 dozen Cascara Tablets at 3/9 per dozen and 3/6 per dozen respectively.

And also special Wall Cabinet **FREE**.

(Please delete the items not required)

Name and Address.

[PLEASE AFFIX SLIP LABEL]

ARTHUR H. COX & CO. LTD
Manufacturing Chemists
BRIGHTON ENGLAND

"Dartring" Advertising



is
increasing

Our announcements are now appearing regularly four times weekly in the "Daily Sketch," "Daily Mirror," &c., &c., and are being read by millions of people daily.

"DARTRING"
LANOLINE
TOILET CREAM & SOAP
Both **P.A.T.A.** lines

You can recommend "Dartring" Products with complete confidence. These skin foods have stood the test for over fifty years.

By displaying our show cards and preparations you create immediate contact with the public who are reading our advertisements.

Don't Lose Sales!

SEND TO-DAY to any Wholesaler who can supply you on the following terms:

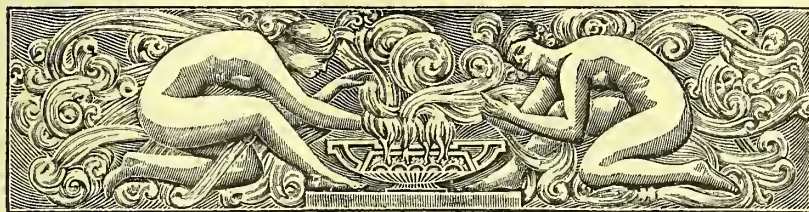
7½d. tubes 5/- doz.	Toilet Soap
1/3 „ 10/- „	4/8 per doz.

Showing you

50% Profit on Cost

Make sure that you hold stocks to meet the demand this publicity must create as we are distributing thousands of samples which have been applied for through our advertisement coupons

BERNERS PROPRIETARIES LTD., 33 BERNERS STREET, W.1



COTY

REDUCTION OF PRICES

NOW that the French Government has stabilised the Franc and we do not anticipate any further fluctuations of the prices of our Specialities in **ENGLAND**, we have decided to reduce the prices of certain of our leading Specialities so as to enable women in **GREAT BRITAIN** to purchase them at prices more consistent with those paid by the women of **FRANCE**. The new Prices are effective to the **TRADE** as from **FEBRUARY 11th**, and to the **PUBLIC** as from **APRIL 15th**. In the interest of all our customers we therefore suggest—first—that you increase the display of Coty Specialities in your window during the next two months. This will enable you to clear any stocks you might have of lines for which prices are going to be reduced. Secondly, that you place as large orders as you possibly can for Specialities which you will be able to buy at the new prices and sell at the **old** prices until **APRIL 15th**, and so considerably increase your profits.

*Please write for new list
and full particulars*

COTY (ENGLAND) LTD.

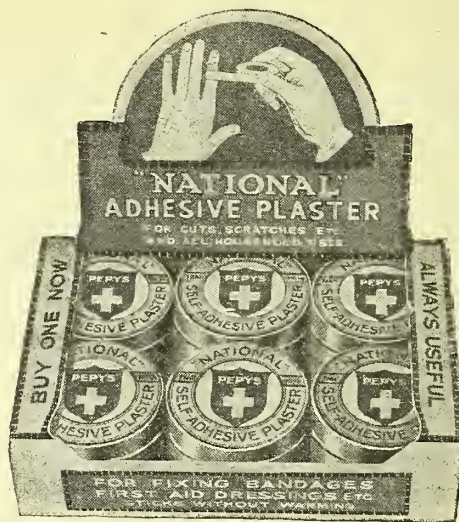
Coty House

3 STRATFORD PLACE

London, W.1

Telephone : Mayfair 6351.

Telegrams :
Paricoty, London.



ADHESIVE PLASTER RIBBONS IN TINS

NATIONAL
Rubber Adhesive

DALMAPLAST
Zinc Oxide Plaster

In Display Outers or Carded.

THERE is an attractively packed size to fit all usual requirements, retailing from 1½d. to 1/-, and a Display Box on the Counter is a constant reminder of a constant need resulting in many additional sales.



	Doz.		Doz.
3½ yds. × 1 in. ..	8/-	2 yds. × ¾ in. ..	2/3
3½ yds. × ½ in. ..	4/-	1 yd. × ½ in. ..	2/-
2 yds. × 1 in. ..	4/3	¾ yd. × ½ in. ..	1/6
1 yd. × 1 in. ..	4/-	½ yd. × ½ in. ..	1/-
1 yd. × 1 in. in flat pocket tin ..	..	..	3/6
1 yd. × ½ in. ..	..	..	2/3

Write for Free Counter Display Box.

(Contents may be all Dalmoplast, all National, or Assorted. Please state which required.)

A. de St. DALMAS & CO., Ltd., Leicester
LONDON DUBLIN LEEDS BRADFORD

INDEX TO ADVERTISERS

Addis, R., & Son (British Industries Fair) xviii	Buckley-Bowker Tablet Co. (Tablets) vi	Evans, Gadd & Co., Ltd. (Corner's Oils) 29
Anglo-American Oil Co., Ltd. (Nujol) xxxii	Burman & Sons, Ltd. (Hair Clippers) 24	Evans Sons Lescher & Webb, Ltd. (Syrup of Ephedrine) 13
Ansay, R., Ltd. (Solventine) ii	Burrough, J., Ltd. (Alcohol) Leader Page	Farmer, F., & Co. (Rat Poison) 28
Arco, Ltd. (Santonin) vi	Burroughs Wellcome & Co. ('Tabloid' Cascara, &c.) 39	Fassett & Johnson, Ltd. (Meads Plasters) xli
Armour & Co., Ltd. (Change of Address) 14	Butywave Co. (British Industries Fair) xvii	Fink, F., & Co. (Gums) 36
Armstrong Cork Co., Ltd. (Corks) xlv	Caivert, F. C., & Co. (Carbolic Toilet Soap) 22	Frankenberg, L. (Razor Blades) 26
Association of Manfg. Chemists, Ltd. Cover-Col. Supp.	Carrick, G. W., Co. (Endocrine Products) xlv	Freer's Manfg. Co., Ltd. (Dentifrice) xvi
Ayrton, Saunders & Co., Ltd. (Wholesale Druggists) 15	Carr & Co., Ltd. (Bath Rucks) 34	Galloway, P. H., Ltd. (Cough Syrup) xxxiii
Bailey, R., & Son, Ltd. ("Steraid" Dressings) xxxviii	Cartwright, W. B., Ltd. (Moorland Tablets) 35	Gardiner & Co. (The Scotch House), Ltd. (Overalls) xxxvii
Baker Metal Stopper Co., Ltd. (Screw Caps, &c.) 38	Cataline Co. (Veterinary Medicines) 29	Genoxide, Ltd. (Hydrogen Peroxide) xxvii
Barker, R., & Son, Ltd. (Infants' Preservative) xxxvi	Cellophane Co., Ltd. (Wrapping Material) xlv	George, Ernest J. (Valuer, &c.) Col. Supp.
Battle, Hayward & Bower (Weed Killers, &c.) 29	Cephos, Ltd. (Headache Remedy) xxviii	Gilmont Products, Ltd. (New Mix Tooth Paste) 9
BCM/XL4U (British Industries Fair) xx	Chafford & Coudere (Olive Oil) xxxiv	Glaxo xxxv
Beetham, M., & Son (La-rola, &c.) 22	Chemical Works, "Flora" (Ess. Oils) 20	Gollin & Co. Pty., Ltd. ("Aspro") xxxi
Bell, John, Mills & Lucas, Ltd. (Pharm. Preps.) 36	Christy, T., & Co. (Pyshan Points Tea) 36	Gower, John (Books) Col. Supp.
Berdoo & Fish (Valuers, &c.) Col. Supp.	Coate & Co. (Axminster), Ltd. (Tooth-brushes) 24	Graesser-Monsanto Chemical Works, Ltd. (Chemicals) Cover
Berg, E., Ltd. (Shopfittings) 36-Col. Supp.	Cook, Geo. (Shopfittings) xlii	Grout & Co., Ltd. (Crêpe Bandages) xl
Berners Proprietaries, Ltd. ("Darting" Products) 2	Cooper Laboratory (Tablets, &c.) Leader Page	Hackett, S. E. (Film Overstocks) Col. Supp.
Bertrands Odourless Pessaries, Non-Greasy xl	Corfield, Ltd. (British Industries Fair) xxii	Halliwell & Co. (Le Vampire Roller) 34
Blackie, R. ("Spun" Ointments) viii	Corrugated Packing Materials Co., Ltd. (British Industries Fair) xxiv	Hampshire, F. W., & Co., Ltd. (Snowfire Cream) xxxviii
Blythe, W., & Co., Ltd. (Chemicals) ii	Coty (England), Ltd. (Perfumery) 3	Harker, C. R., Stagg & Morgan, Ltd. (Petrolax) xxxii
Bob Martin, Ltd. (Dog Medicines, &c.) 28	Cox, Arthur H., & Co., Ltd. (Salvarone, &c.) 1	Harris, Hart & Co., Ltd. (Glauber Salts, &c.) iv
Boxall, Smith & Co. ("Nitroscleran," &c.) viii	Cromessol Co. (British Industries Fair) xx	Heppells, Ltd. (Urodonal) 16
Brierley, John (Valuer, &c.) Col. Supp.	Crookes Laboratories (Collosol Ferromalt) xxvii	Himrod Manfg. Co., Ltd. (Asthma Cure) viii
Bristol-Myers Co. (Sal Hepatica) Leader Page	Cussons, Sons & Co., Ltd. (Toilet Specialities) 21	Holl, Karl (Screw Caps, &c.) 31
British Automatic Vendors, Ltd. 18	Dalmas, A. de St., & Co., Ltd. (Adhesive Plaster) 4	Horne, L. A., & Sons (Drugs, &c.) iv
British Celanese, Ltd. (Capping Solution) xvi	De, S. N. (Indian Drugs) iv	Howards & Sons, Ltd. (Anaesthetics) 1
British Drug Houses, Ltd. (British Industries Fair) xi	Dearborn (1923), Ltd. (Toilet Preps.) 22	Ingram, J. G., & Son, Ltd. (British Industries Fair) xxxii
British Quain Sunlight, Ltd. 10	Drug & Chemical Corporation, Ltd. (Influcine) xxix	Jackson, Ernest & Co., Ltd. (British Industries Fair) xx
British Thomson-Houston Co., Ltd. (Mazda Lamps) 34	Dudley & Co., Ltd. (Cash Tills, &c.) 28-36	Jeffreys, Miller & Co., Ltd. (Malt Extract, &c.) xxxvi
Bruce, Starke & Co. (Cod-Liver Oil) xxxvii	Enolin (1926), Ltd. (British Industries Fair) xx	Johnson & Sons Mfg. Chemists, Ltd. (British Industries Fair) xv
	Essenflour Products, Ltd. (British Industries Fair) xxi	Jones, Wm. Alfred, Ltd. (Pastilles) xxx

[Continued overleaf.]

?

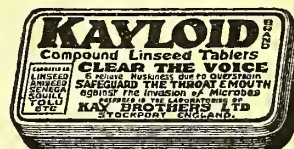
Why people are
asking for

KAYLOID
Compound
Linseed Tablets.

1. Advertising in *Daily Mail*, and a strong list of provincial and "home" publications.
2. A quarter - million interested people are receiving free samples.

"Kayloid" she said
. . . . she wanted this

You need not send another customer away disappointed. A post-card brings you this display box of 12 tins for 6/- post paid. Retail 9d. per tin. Why not write for it now?



KAY BROTHERS LTD. STOCKPORT

INDEX—cont.

Josephs, Percy R. E. (Shopfittings)	Old Strand Chemical & Drug Co., Ltd. (Glyceon "S")	Speedy D. & P. Service ("Fotozo")
Josephs, Philip, & Sons (Shopfittings)	Onzo, Ltd. (Ointment)	Speer, W. R., & Son (Toothbrushes)
Kay Bros., Ltd. (Linseed Tablets)	Oppenheimer, Son & Co., Ltd. (Robo-leine)	Spencer Bros. (Puffs)
Kent, G. B., & Sons, Ltd. (Brushes)	Orridge & Co. (Valuers, &c.)	Standard Life Assurance Co.
Kerfoot, T., & Co., Ltd. (Black-currant Pastilles)	Paine & Co., Ltd. (Malt Extract)	Standard Yeast Co., Ltd. ("Lyco")
Khasana, Ltd. (Lipstick, &c.)	Peronia Co., Ltd. ("Ideemit")	Yeast Tablets
King, J. C., Ltd. (Showcases)	Pillscher, J., Ltd. (British Industries Fair)	Sterns, Ltd. (Oils, Petroleum, &c.)
Kof-oh Co., Ltd. (Cough Cure)	Potter & Clarke, Ltd. (Wholesale Druggists)	Sumner's Typhoo Tea, Ltd. Leader Page
Kraska Co., Ltd. (Nail Polish)	Radiomite, Ltd. (Insoles, &c.)	Tatcho Tone Co. (Hair Preps.)
Kronheimer Bros. (Advtg. Novelties)	Raleigh Cycle Co., Ltd. (Carrier Cycles)	Thompson, John (Wholesale Druggists, 1921), Ltd. (Drugs, &c.)
Lake, H. W., Ltd. (Silk Bandages)	Ransom, W., & Son, Ltd. (Extracts, Tinctures, &c.)	Thornton & Rose, Ltd. (Ammonia)
Lautier Fils, Ltd. (Ess. Oils)	Reliance Rubberware, Ltd. (Hot Water Bottles)	Tomlinson & Hayward, Ltd. (Water-glass)
Levermore, A., & Co., Ltd. (Precipitated Chalk)	Rendell, W. J. (Quinine Pessaries)	Toogood, Wm., Ltd. (Hot Water Bottles)
Lewis, H. K., & Co., Ltd. (Books)	Reynolds & Branson, Ltd. Leader Page	Towle, E. T., & Co., Ltd. (Penny-royal Pills, &c.)
Lysol, Ltd. (Distributing Change)	Roberts & Co. (Roborans)	Town Talk Polish Co. (Polishing Cloths, &c.)
McCaskey Register Co.	Robinson & Sons, Ltd. (Boxes)	Tyrer, T., & Co., Ltd. (British Industries Fair)
Manchester (Belle Vue) Home Life Exhibition and Fashion Fair	Roebuck's Advertising Service (Wanie Blades)	United Glass Bottle Manufacturers, Ltd. (Medical Bottles)
Manchester Machine & Instrument Manfg. Co., Ltd.	Rowland, A., & Sons, Ltd. (Macassar Oil)	Vernon & Co., Ltd. (Surgical Dressings)
Manuel & Co., Ltd. (Licoricine)	Rudduck & Co. (Shopfittings) Col. Supp.	Viscose Development Co., Ltd. (British Industries Fair)
Marshall, C. F., & Son (Dental Plate Brushes, &c.)	Sakabe & Co. (Toilet Brushes, &c.)	Walden, E. M., Ltd. (Surgical Ware, &c.)
Matthews, D., & Sons (Shopfittings)	Sasso, P., & Figli (Olive Oil)	Ward, T., & Sons, Ltd. (British Industries Fair)
Maw, S., Son & Sons, Ltd.	Scholl Manfg. Co., Ltd. (Tre Flex)	Warrick Bros., Ltd. (Chemicals)
Mawson & Proctor, Ltd. (Majax)	Schutze, F., & Co., Ltd. (Powder Puffs, &c.)	Washington Chemical Co., Ltd. (Pat-tinson's Magnesia)
May & Baker, Ltd. (British Industries Fair)	Scott, Adolph, Ltd. (Ebony Goods)	Westminster College of Pharmacy
Meggeson & Co., Ltd. (Medicated Confectionery)	Scruton, O., & Co. (Nurse Harvey's Mixture)	Whiffen & Sons, Ltd. (British Industries Fair)
Midgley & Parkinson, Ltd. (Yeast Preps.)	Scurr, C. A. (Optical Tuition)	Whipman, P. (Italian Drugs, &c.)
Mills, H., & Sons (Shopfittings)	Shadeine Co. (Hair Dyes)	White, Tomkins & Courage, Ltd. (Peppermint Oil)
Milner & Coke, Ltd. (Sequitiz Powders)	Sharland & Co. (Publications)	Williamson Bros., Ltd. (British Industries Fair)
Mirus, Ltd. (Toilet Preparations)	Shawyer, A. J., & Co. (Developing, &c.)	Winchester Manfg. Co., Ltd. ("Wimaco" Surgical Goods)
Mosans Quinine Pessaries	Sherley, A. F., & Co., Ltd. (Dog and Cat Medicines)	Wood Bros. Glass Co., Ltd. (Shop Bottles, &c.)
Mulford, H. K., Co., Ltd. (Dry Surgical Dressing)	Sherman, J., & Co., Ltd. (Chemicals)	Wright, John, & Co. (Gas Radiators)
Napp, H. R., Ltd. ("Normacol")	Shoppee, A. C., Ltd. (Weighing Machines)	Yadil Products (1925), Ltd.
National Association of Opticians	Sier, Voss & Tones (Transparit)	Youldon, F. (Bottles)
National Cash Register Co., Ltd.	Smith, T. & B., Ltd. (Chemicals)	Zeal, G. H., Ltd. (Clinicals)
Natural Products, Ltd. (Novopine)	Solazzi (Liquorice)	Zimmermann, C., & Co. (Chem., Ltd. (Chemicals, &c.)
Neill, J., & Co. (Sheffield), Ltd. (Razor Blades)	Solidol Chem., Ltd. (Lysolats)	
Newball & Mason (Ginger Wine Essence)	Solport Bros., Ltd. (British Industries Fair)	
Nilde (Paris) Agency, Ltd. (Toilet Preps.)	South of England College	

PHARMACEUTICAL PREPARATIONS DRUGS AND CHEMICALS

Pharmaceutical Specialities Packed under Pharmacists' own name

SPECIALITIES

Syr. Cocillana Co.

(THOMPSON)

Each drachm { Ethylmorphinæ Hydrochlor $\frac{1}{2}$ gr.
contains { Syr. Wild Lettuce 15 min.
Does not come under D.D.A. regulations.

Syr. Ferri Phosphatis Co.

(THOMPSON)

(From Parrish's Formula) Raspberry Flavoured.

Syr. Hypophos. Comp. (cloudy)

(THOMPSON)

A perfect preparation absolutely free from Acid. Never crystallises nor changes colour. Does not cause constipation. Perfectly palatable.

Syr. Ficorum Co.

(THOMPSON)

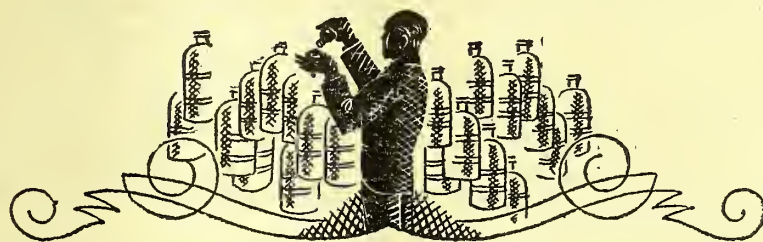
Containing Figs and other Vegetable Laxatives.

WRITE FOR SAMPLES AND QUOTATIONS.

John Thompson (Wholesale Druggists 1921) *Ltd.*
Duke St., Liverpool

Telephones : Royal 1434 (5 lines).

Telegrams : "Drugs, Liverpool."



Drugs Don't Make the Medicine

IF THEY DID there would be no science of Pharmacy, there would be no art of Dispensing. But it is scientific knowledge and strict pharmaceutical training that combine to maintain the high standard of British Dispensing.

It is just so in the making of Surgical dressings, and even more so in the medicating of them.

Anybody can dip a piece of lint in Boracic lotion. But many able men have found that when this is done they have not really made Boric Lint—not as Vernon's make it.

Behind the high quality of Vernon's Boric Lint lie years of careful experiment and manufacturing experience. Their system of medication, which charges the warp and woof of the cloth with antiseptic efficiency while its original softness is retained, makes their Boric Lint the standard of makers and the choice of discriminating buyers.

Ask your Wholesalers for Vernon's Boric Lint. Although the quality is so good, the prices are thoroughly competitive. And the interests of your own business require that you supply the best.

Vernon & Company Ltd

*Manufacturers, Bleachers & Medicators
of Surgical Dressings*

PENWORTHAM MILLS, PRESTON, LANC'S

CASH PRIZE

£20

FOR A PRACTICAL SUGGESTION

WE have been interested in the recent letters to the trade press wherein chemists have expressed dissatisfaction with their treatment at the hands of manufacturers of proprietary articles. It is felt that neither their own services nor the advertising value of their establishments is sufficiently recognised.

We are in sympathy with these views, but feel that chemists themselves are best able to suggest a remedy. For this reason, before launching our new line, "Ideenit," we offer a cash prize of twenty pounds to the retailer who submits the best scheme for introducing it through the chemist to the public. Schemes must be capable of co-operation with national press advertising.

Primarily we want the chemists' point of view, but competitors must not forget our interests. Great importance will be attached to effective simplicity of schemes submitted. Briefly, we want you to help us by telling us how best we can help you.

Before competing you will want to know something about the article in question. "Ideenit" is an ideal method of applying iodine, but we cannot adequately describe the ingenious pocket container and patent "Solo" bandages. To get over this difficulty, we will send one "Ideenit" pack, free and post free, to any intending competitor who drops us a post-card. "Ideenit" will retail at 1s. 3d.

Send your entry to the Peronia Co., Ltd., Stoney Street, Nottingham, marking it "Competition." Entries must reach us not later than March 1st, 1929. The result will be announced in this journal on March 15th.

CLOSING DATE
MARCH 1st, 1929.

Peronia

Do it
NOW
fill
up below
coupon

Big Cash Prizes

NEW-MIX Window Displays

CONDITIONS OF ENTRY

1. Window Display to be for a period of a fortnight.
2. Applications for window display material to be made on the printed form below before April 30, 1929.
3. Display to commence at any time from February 1st, 1929, up to April 30th, 1929.
4. Usual bonus terms for window display effective for this Competition.

THE FIRST PRIZE OF £100 will be awarded to the chemist making the best Window Display, to be decided from a photograph of the window to be supplied by the chemist. The decision of the Directors of Gilmont Products, Limited, to be final. Size of window does not necessarily mean a better window. A small window arranged in a meritorious and attractive manner will stand an equal chance of winning a prize.

THE SECOND PRIZE OF £50 will be awarded to the chemist with the next best Window Display.

Fill in the coupon NOW and give your New-Mix business an added impetus and win a cash prize as well.

FIRST
PRIZE
£100

SECOND
PRIZE
£50

TWO SIZES
1/6 & 2/-

FIVE
CONSOLATION
PRIZES
OF
ONE GROSS
OF
NEW MIX

COUPON

To GILMONT PRODUCTS, LTD.,
Willing Building, 356-364 Gray's Inn Road,
London, W.C.1

Please send me Window Display Matter which I understand entitles me to compete in New-Mix Window Show Cash Prize Competition. A two weeks' full- or half-Window Display will be made commencing—

NAME.....

ADDRESS.....

BRITISH MADE.

**SELL
MORE
SEIDLITZ**



DOUBLE BONUS

OFFERS DURING FEBRUARY

G.O. Seidlitz Powders

Extra Strong Lemon Flavoured.
Sweetened. Cellophane Packed.

No. 1 OFFER	COST	RETAIL
1 GROSS 3d. BONUS 20 x 3d.	1.1.0	2.1.0
No. 2 OFFER		
1½ GROSS 3d. BONUS 40 x 3d.	1.11.6	3.4.0
No. 3 OFFER		
3 GROSS 3d. BONUS 120 x 3d.	3.3.0	6.18.0

In smart envelopes with your name and address printed on back. Window Bills and Showcards.

PACKED IN SMART 1 doz. & 6 doz. SHOW OUTERS
CARRIAGE PAID. LESS 2½% C.W.O. 3d. P.A.T.A.
Prices for Irish Free State 2s. 6d. per gross extra.

Send your order with your slip label to-day.

MILNER & COKE, LTD.

(Incorporating "The Greenwich Lemonade Co.")

11 John Penn St., LONDON, S.E.13

Just one writing

No Complicated
Book-Keeping

No Errors

No Forgotten
Charges

McCASKEY
CREDIT SYSTEMS

With the Surety Carbon Coated Pads

Send the coupon for details of the
McCasky "One Writing" System
—time and labour-saving
system. Will increase your
profits and build up
your customers' confidence.

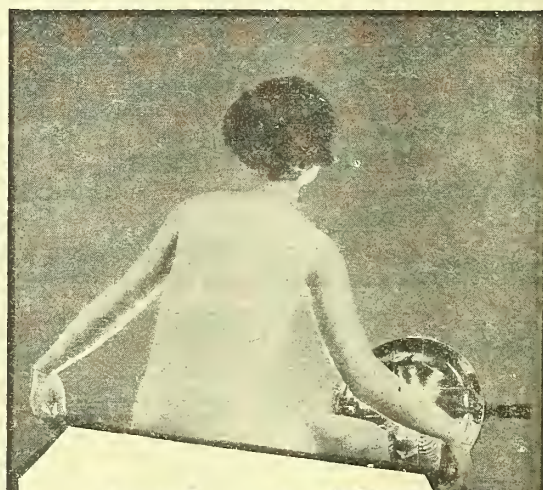
Please send
particulars
of McCasky
System.

Name.....

Address.....

To The McCasky Register Co., Watford, Herts.

C. & D. 16-2-29



QUAIN

SUNLIGHT BATH

Double purpose—a sunbath and an
electric fire, low price and absolute
safety, sell the Quain.
Preferential discounts and full support
given you. Write for details.

BRITISH QUAIN SUNLIGHT, LTD., 20-21 LAURENCE POUNTNEY LANE, E.C.4.

Maw's Page

Maw's Surgical Dressings

*Will help you to Increase your
Sales of Surgical Sundries*

Surgical dressings are not merely one of the bread and butter lines of the pharmacy, they exercise an important influence upon, and are, indeed, the very basis of the pharmacist's surgical sundries business.

Rarely are dressings sold alone. Almost inevitably the customer requires other sick-room requisites, and the pharmacist who stocks and consistently displays reliable, well-presented surgical dressings is building up that section of his business which is peculiarly his own and not subject to unrestricted outside competition.

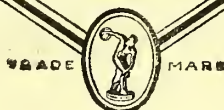
Realising this important fact, the House of Maw has concentrated its attention on the production of a series of dressings that would increase the reputation and prestige of the pharmacist who sells them.

To accomplish this purpose it has expended a vast amount of time, effort and money. It has studied carefully manufacturing problems, price problems, presentation problems and display problems. It has even gone to the length of building a model factory and undertaking manufacture on a large scale.

The discerning pharmacist remembers these things when he buys surgical dressings. He thinks not only of dressings, but of all the other sundries which a reputation for surgical dressings will help him to sell. He buys Maw's dressings because he knows it pays him to sell Maw's dressings.

*Order your next batch
of dressings from Maw's.*

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.



SASSO OLIVE OIL



The epicure uses discretion in the choice of Olive Oil just as he does in selecting his wine and insists on a brand with a reputation.

"Sasso" Olive Oil is packed in elegant bottles of both Imperial and Reputed Measure and shows a P.A.T.A. protected profit of 50%.

Write for new season's samples and price list giving Special Offer.

*

Producers: P. Sasso e Figli, Oneglia, Italy

Sole Distributors for the U.K.:

Fredk. Boehm Ltd., 17 Jewry Street, London, E.C.

Two New Ephedrine Products

EVANS' SYRUP OF EPHEDRINE

A pleasant and most effective form of medication to control the spasmodic coughing and vomiting of

WHOOPIING COUGH

Contains gr. $\frac{1}{8}$ Ephedrine Hydrochlor in one drachm. The dose is one to two drachms according to age, and it is generally administered night and morning, and occasionally three times a day.

Prices : 4 oz. **3/-** ; 8 oz. **5/6** ; 16 oz. **10/6**

EVANS' LINCTUS of EPHEDRINE COMP.

now being prescribed for the treatment of

ASTHMA, BRONCHITIS, &c.

A dose of two drachms contains Ephedrine Hydrochlor gr. $\frac{1}{4}$ and Extr. Grindelia Liq. 6 minims.

Prices : 4 oz. **3/3** ; 8 oz. **6/9** ; 16 oz. **11/6**

Subject to the usual trade discount.

Prepared at Evans' Biological Institute, Runcorn.

EVANS SONS LESCHER & WEBB, LTD.
LIVERPOOL & LONDON



Adeps Benzoatus
Adrenalin
Amylopsin
Beef Juice
Carminex
Catgut
Cerebrinin
Corpus Luteum
Diaslase (Animal)
Digestive Ferments
Duodenin
Enzymes
Galactis
Hæmoglobin
Insulase
Lactated Pepsin
Lecithin
Liver
Lymphatic
Mammary
Mam-Ovarian
Meduphites
Multigland
Myelin
Orchitic
Ovarian
Ovarian Residue
Ovo-Testis
Ovo-Thyroid
Ox Gall
Pancreas
Pancreatin
Parathyroid
Parathyroid Compound
Pepsin
Peptone
Pineal
Pituitary, Whole Gland
 " *Anterior Lobe*
 " *Posterior Lobe*
 " *Compound*
Placenta
Prostate
Red Bone Marrow
Renal Cortex
Spleen
Supra Medulla
Suprarenal
Suprarenal Compound
Suprarenal Cortex
Suprarenalin
Thromboplastin
Thymus
 " *Compound*
Thyropophosis
Thyroid
Thyro-Manganese
Trypsin

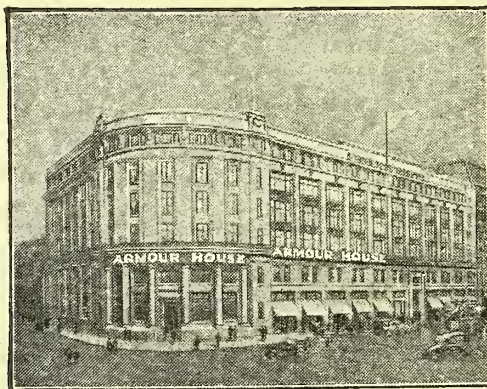
Important Notice

On and after February 25, 1929,

THE

**New General Office Address of
ARMOUR & COMPANY, Ltd.**

WILL BE



**ARMOUR HOUSE, St. Martin's-le-Grand,
London, E.C.1**

A cordial invitation is extended to all interested to personally inspect our Modern Equipped General Offices with up-to-date Facilities for increasing the Efficiency of the Armour Service to our Clientele.

LABORATORY DEPARTMENT
ARMOUR AND COMPANY
LIMITED

**ARMOUR HOUSE, ST. MARTIN'S-LE-GRAND,
LONDON, E.C.1.**

TELEGRAMS: "ARMOSATA-CENT," LONDON.
TELEPHONE: CENTRAL 6262.

In confidence

*We cannot give you his name but read what he says :
"I hear that the whole of the imports (Sponges) into London
this year will not be more than £30,000—and that means
starvation for the Trade, and very high prices."*

*We are also told that our buying limits are at least
25% below importers present taking prices.*

A special. **TURKEY SPONGES.** Soft fine texture.

	per dozen			
3/6	6/-	9/-	12/-	16/-

 Only a small parcel. Keen buyers will hurry their order.

A fine range. **TURKEY SPONGES.**

	per dozen			
20/-	30/-	36/-	42/-	54/-

 These are real visible value and make a bold show.

Beautiful stuff. **TURKEY CUP SPONGES.**
 Per dozen 84/- 90/-
 We are lucky to have these to offer.

A real snip. **HONEY COMB SPONGES.**

	per dozen			
3/-	3/6	4/6	6/-	8/6
9/-	12/-	16/-	18/-	20/-
24/-	30/-	36/-	42/-	48/-
54/-	66/-	72/-	84/-	90/-

MOTOR SPONGES

Splendid examples of deep sea growths, fine in texture, soft and yet as strong as a rope, with heaps of wear in front of them. The motorist who gets a few of these is set up for years—and scratch free all the time so far as washing down is concerned.

Per dozen 16/-

UNBLEACHED HONEYCOMB in wooden stock-boxes

A	100	pieces costing 4½d. each	£1 17 6	E	50	pieces costing 1/- each	..	}	£6 11 3
B	100	" " 9d. " "	..	..	£3 15 0		25	" " 1/6 " "	..
							25	" " 1/9 " "	..		
C	50	" " 4½d. " "	}		£2 16 3	F (Bath Sizes).	6	pieces costing 2/6 each	..	}	£3 15 0
	50	" " 9d. " "							6			" " 3/6 " "	..
D	50	" " 9d. " "	}		£4 7 6		4	" " 4/6 " "	..		
	50	" " 1/- " "							4			" " 5/6 " "	..

*Always pleased to quote
for original cases of sponges*

*It is no part of our policy to
hang on to stocks for higher prices*

AYRTON, SAUNDERS & CO., LTD.
HANOVER STREET - - LIVERPOOL

URODONAL

THE NEW 3/- SIZE
IS BEING LARGELY ADVERTISED

This size will be a popular size for the public
who wish to try this world-wide remedy.

URODONAL

now sells at 3/-, 5/- & 12/-

*This will be a fine seller, so order at once and
obtain it on the best terms from the sole agents :*

HEPPELS, LIMITED

Wholesale Chemists

16 Grosvenor Place, LONDON, S.W.1,
and from all leading Wholesale Chemists.



EMULSION BLACK CURRANT and GLYCERINE PASTILLES

WHEN you sell these Pastilles you can guarantee that they contain the entire medicinal qualities of Black Currant Juice, with all its natural flavour. The juice is extracted by a special process which preserves its delightful and quite inimitable "tang" and every pastille is as full of fruit as is pharmaceutically possible.

Your customers will be able to recognise this for themselves from the first taste and they will tell others, as is ever the way with articles of first class quality. "Emulsion" Black Currant and Glycerine Pastilles only need introduction, they will make headway on their own merits. They are certainly one of the most profitable lines to which you can devote your interest.

Striking Window Display now available. Illustration and particulars on request

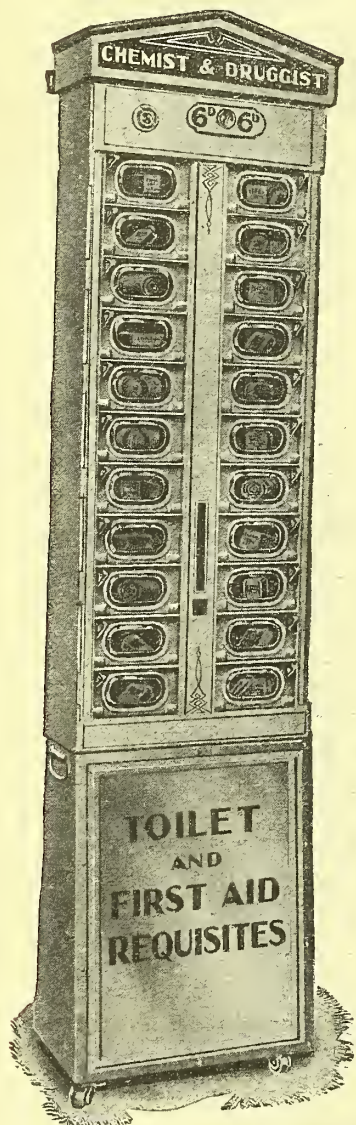
To EXPORT BUYERS—Orders and enquiries should be addressed to our Export Agents, Wm. Alfred Jones, Ltd., West India House, Liverpool. Visitors to the British Industries Fair in London are invited to inspect Stand K119 where a wide range of Kerfoot specialities is to be seen.

THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

C/953

COPYRIGHT

Don't buy Mushrooms!



This is the B.A.V. Universal Vending Machine. Supplied in 22, 44, 66 or 88 Compartment Sizes.

AUTOMATIC Vending Machines and Companies are springing up, like mushrooms—almost every night—all over the place. The wise buyer will remember that with such machines as with all other mechanical products apprentices cannot be expected to produce perfect products.

It's experience
that counts!

B.A.V. machines have 28 years of solid experience behind them. The most excellent time proved devices protected by British Patents are incorporated in our machines. Built in the largest and best equipped works in Great Britain—staffed by expert engineers and mechanics with over and above all a technical staff practised for more than quarter of a century in producing mechanisms to protect your takings.

The Proof

It is easy for new arrivals to make big claims but we invite you *in your own interests* to test our mechanisms against the best you can find elsewhere. Send a P.C.—send it now—or better still call at our showrooms and test our machines on the spot.

Remember :— We are the Sole Proprietors of the latest British Wistoft Patent Nos. 272354, 282586, 286923, 288448, 292319, 294032, 294807, 295309, 296750 (other Patents Pending), which combine to form the finest of all protective mechanism.

We are prepared to quote for **Automatic Vending Machines** in quantities to deliver any type of suitable Product.

All orders dealt with in strict rotation.

BRITISH AUTOMATIC VENDORS, LTD.
60 HOLBORN VIADUCT . . . LONDON, E.C.1

£6 of ROBOLEINE for £5

Any chemist who undertakes to make a fortnight's window display of Roboleine and places an order for £5 net value (made up in any sizes) will receive an additional £1 worth free, together with a supply of samples, literature and display matter. The consignment will be sent carriage paid, in a free case.

Roboleine has no opposition to overcome. It has been on the market 22 years and has an established position with Doctors and with the public. And this winter it is being advertised as never before, in all the great national dailies, in the leading provincial newspapers and in a long list of Women's papers. 127,684,000 large advertisements will appear between the beginning of October and the end of April.

Roboleine is going to be a best-seller this winter. Now is the time to make sure and get a good share of the increased trade.

Roboleine

CONCENTRATED NOURISHMENT
IN EVERY SPOONFUL

To-day's best investment—a case of

R.S.M

(Reigate Standard Mint)

English re-distilled and blended PEPPERMINT OIL



White, Tomkins & Courage Ltd.
Reigate, Surrey

Telegrams : Esswhite, Reigate.

Telephone : Reigate 480.

Established 1795.

LAUTIER FILS

Works : GRASSE (France) & BEYRUT (Syria).

Essential Oils and Synthetics.
All Raw Materials for Perfumery.

Olive, Peach Kernel, Sweet Almond Oils
Floral Waters.

Sole Agents for :—

PAOLO VILARDI Messina Oils :
Lemon, Bergamote, Sweet Orange, etc.

S.A. FLORFE Spanish Oils :
Spike Lavender, Rosemary, Thyme,
Pennyroyal, etc.

C. M'NTCHEFF & KETCHEDJIEFF
Otto of Rose. Bulgarian.

Wholesale and Export only.

LAUTIER FILS, Ltd., 4 Denman St., London B.Ig., S.E.1
Tel. Add: "Lautiert, Phone. London." Telephone: Waterloo 1601/2

Chemical Works "Flora"
DUBENDORF, ZURICH - SWITZERLAND

Manufacturers of

SYNTHETIC & AROMATIC CHEMICALS

SAMPLES ON and
APPLICATION.

CHLOROPHYLL
OIL AND SPIRIT - - SOLUBLE.

STOCKS HELD
IN LONDON.

Samples and particulars from—

CHAS. ZIMMERMANN & CO. (Chemicals), LTD.
St. Mary-at-Hill, London, E.C.3

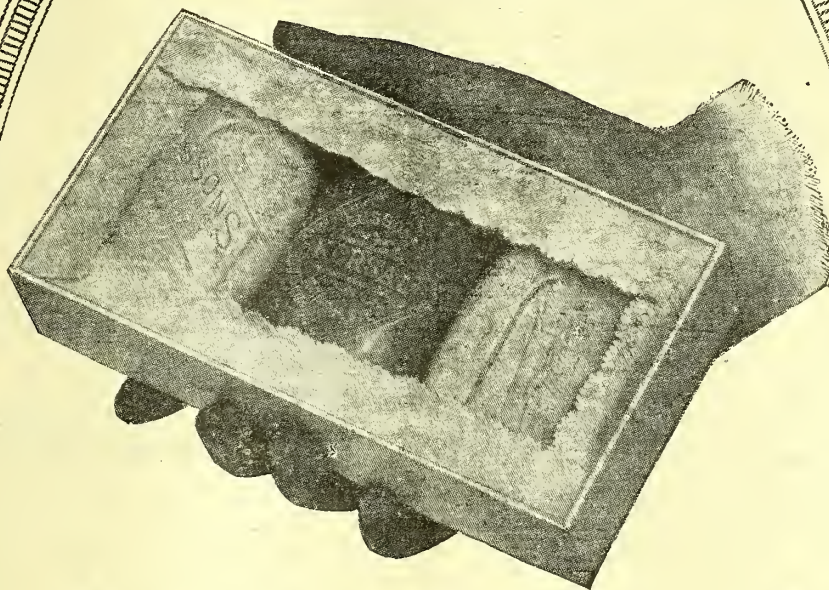


STAND NOS.
M8 - M94
(Joint)



STAND Nos.
M8 - M94
(Joint)

Free!



To every Pharmacist

in business in Great Britain we will send free on request this sample box containing full sized tablets of three of our most popular toilet soaps, viz. :—

“VELVY - CRÈME” “KERSAL”

AND

“YE OLDE ENGLISH LAVENDER”

There is no obligation attached to acceptance of this offer, which is intended solely to demonstrate the quality, finish and keen price of the toilet soaps of the House of Cussons.

This offer is valid till
February 23rd
only.

Cussons

KERSAL VALE, MANCHESTER

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP	10/-	1/-
A complexion soap.		
PROLACTUM	10/-	1/-
For the lips.		
PARSIDIUM JELLY	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE BLOSSOM	22/6	2/6
A dressing cream.		
BORANIUM	22/6	2/6
A hair tonic.		
CLEMINITE	22/6	2/6
For a face lotion.		
COLLIANDUM (Powder & Solids)	22/6	2/6
For a face tint.		
PERGOL	22/6	2/6
A deodorant.		
TEKKO PASTE	22/6	2/6
Camphor cream.		
STALLAX	13/6	1/6
For a shampoo.		
JETTALINE	22/6	2/6
For clearing the skin.		
PHEMINOL	31/6	3/6
A depilatory.		
MENNALINE	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX	36/-	4/-
A face cream.		
STYMOL	18/-	2/-
For oily complexions and blackheads.		
SILMERINE	31/6	3/6
Hair-curling fluid.		
BARSYDE	22/6	2/6
Dandruff eradicator.		
TAMMALITE	22/6	2/6
For grey and faded hair.		
LIQUID PERGOL	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM	22/6	2/6
For whitening the hands.		
COCONOIDS	31/6	3/6
For figure development.		
SIPOLITE	18/-	2/-
A new depilatory.		

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES	36/-	4/-
For obesity.		
SOFT PALERIUM	45/-	5/-
For wrinkles.		
LIQUID NAIL POLISH	10/-	1/-
Brilliant and lasting.		

Stocked by ALL Wholesale Houses.

FOREIGN AND COLONIAL DEPÔTS AND AGENCIES.

South Africa: LENNON, LTD., Cape Town, etc.
SIVE BROS., & KARNOVSKY, LTD., Johannesburg.
India: FRAMJEE & SON, Bombay.
A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
Denmark: KARL, SCHULTZ & CO., Copenhagen.
Irish Free State: MAY, ROBERTS & CO., LTD., Dublin.

Winter's Best Seller
which shows a handsome profit.

Farola

Well advertised and sold in
all parts of the World.



Special Display Terms
for Mixed Parcels.

Write to—

M. BEETHAM & SON
DEPT. C.D. CHELTENHAM.

A NEW PACKING
FOR

CALVERT'S Carbolic Toilet Soap



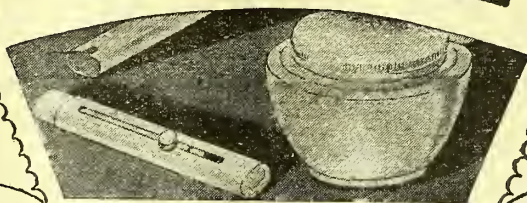
ONE DOZEN 6d. TABLETS IN
NEAT COUNTER DISPLAY BOX

List price 4/5 per box.

As the usual 3-tablet boxes (list price 13/6 per dozen boxes) will still be available, customers are requested to certify in their orders which form of packing they desire.

F. C. CALVERT & CO., Ltd., MANCHESTER

FREE!



**ONE DOZEN 6D. LIPSTICKS WITH
EVERY 3 DOZEN 1/6 LIPSTICKS,
CREAM ROUGE OR ASSORTED.**

Plus the Standard 13 to every dozen Bonus!

OUR SPECIAL OFFER

You can now for a limited time obtain as many free dozens as you please of Khasana's latest line—the 6d. Lipstick. With every 3 dozen order for 1/6d. Lipsticks or Cream Rouge, (or the two assorted), there will be sent you quite free a dozen of these fashionable and quick selling new 6d. Lipsticks—the only preparation of its kind that is not sold by sixpenny stores!

11½d. in every 2/- (48%) Clear Profit!

In addition to this special offer you will receive the standard bonus of 13 to every dozen if you order now. On every order it is possible for you to make no less than 11½d. on every 2/- outlay—a profit of 48.8% on turnover. This offer must be for a limited time, it may never be repeated, and it is certainly far too good to miss. If you have not received an order postcard from us, send us your order in the ordinary way. Do it now, send it to-day, and make sure of your extra profits.

**9,751,904 KHASANA ADVERTISEMENTS
STARTED JANUARY 28th.**

On January 28th and following days the biggest campaign of advertising that has ever appeared for Khasana opened in the Daily Mirror, Glasgow Bulletin, Woman's Pictorial, Modern Woman, Woman's Journal, Woman, Woman & Home, Dancing Times and Theatre World. Thousands of women are being introduced week after week to these inexpensive but elegant aids to the toilet. Women will not miss these advertisements. Women will not want to miss them. Very soon it will be unfashionable not to have Khasana lines on the dressing table or in the handbag. Last year, Khasana products sold remarkably well with practically no advertising. What will their sales be now, with this vast volume of attractive publicity behind them? Send in your order for the special offer, put the eye-catching blue, gold and cream of Khasana packings, containers and showcards in your window, and your till will tell you in the way you like best.

KHASANA

**LIPSTICKS CREAM ROUGE POWDERS
COLD CREAM VANISHING CREAM PERFUME**

HERE ARE THE ACTUAL FIGURES

3 doz. Lipstick or Cream Rouge,	Wholesale	Retail
@ 11/- per doz.	33/-	54/-
Introductory bonus @ 13 to the doz		
+ 3 extra	Nil	4/6
1 doz 6d. Lipsticks FREE Special		
Short Advertising Offer	Nil	6/-
	33/-	Sells for 64/6

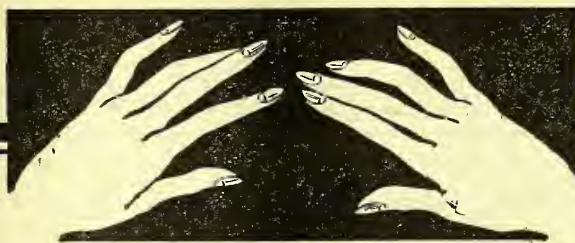
You make 31/6 on 64/- turnover = 48.8% profit.

Lipsticks can be either standard (1/6) or large (2/6) or your order can be made up of part of each. With every three dozen units ordered (two kinds of lipstick and Cream Rouge in any proportions you please) the dozen 6d. Lipsticks will be sent absolutely FREE!

KHASANA LTD., 131 BUNHILL ROW, LONDON, E.C. 1.



**KRASKA
NAIL
POLISH**
Retails at
1/-, 1/6, 2/6



KRASKA NAIL CULTURE



**KRASKA
CUTICLE
REMOVER**
Retails at 1/9

BACK TO PRE-WAR PRICES.—50% PROFIT

On KRASKA LIQUID NAIL POLISH and allied Manicure Specialities on the Revised Prices
Operating from MARCH 1st.

	Old price per doz.	New Retail		Old price per doz. boxes	New Retail
Kraska Liquid Nail Polish	9/6	8/-	1/2	1/-	
" " " "	12/6	12/-	1/8	1/6	
" " " "	19/-	18/-	2/6	2/6	
" (in polished boxwood case for travelling)	—	30/-	—	4/6	
" Cuticle Remover (with Patent Extractor)	—	15/-	—	1/9	
Kraska Cuticle Extractors (12 in box)	—	18/-	—	2/-	
" Nicotine Remover	—	15/-	—	2/-	
" Cuticle Cream	10/-	8/-	1/2	1/-	
" Hand Balm	10/-	8/-	1/2	1/-	
" Bleaching Fluid	10/-	8/-	1/2	1/-	

SELL OUT THE OLD STOCKS, GET IN THE NEW ! Customers will like the new even prices.

SPECIAL OFFER on £1 minimum parcels, Cash with order :

13 to the dozen, with show matter, including Day-and-Night Sign, which fixes on window or stands on shelf.

ALL CARRIAGE PAID.

STOCKS HELD BY ALL WHOLESALESA.

Manufactured by The KRASKA CO., LTD., 65 PORTOBELLO ROAD, LONDON, W.11



GREY HAIRS

appear just here.

TOUCH THEM UP WITH

TATCHO-TONE

and they will instantly recover their natural shade. Medical Guaranty with each bottle. Chemists' Prices 2/6 and 4/6

TATCHO-TONE CO., 5 Great Queen Street, London, W.6.2



PERM BROW

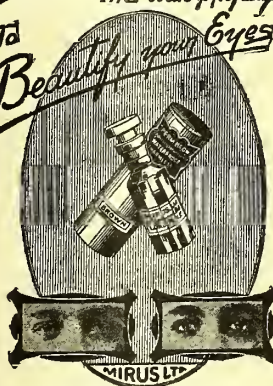
*The Waterproof Liquid
To Beautify your Eyes*

Every bottle
gives you
PROFIT 1/3
and repeats all ways
follow - - -

Perm Brow, the new perfectly harmless liquid eyebrow beautifier blackens eyebrows and lashes to an alluring darkness and being waterproof it stays on. Its unique qualities have influenced recommendation and repeat orders from almost every user. Get a stock to-day, and give it a display — profits will come easily.

Obtainable from all
Wholesale Houses or
direct from—

MIRUS LTD.,
57 Carleton Road,
London, N.7



Wholesale

18/-

per doz.

Retail

2/9

per bottle.

A new Nildé sifter box

(HANDBAG SIZE)

Modernised and improved, this extra flat sifter box with puff is of new design outside and in, leak-proof, and the powder cannot patch or break. It contains as much powder as the well-known red and gold striped box, perfumed with our new creation, l'Ille Heureuse.

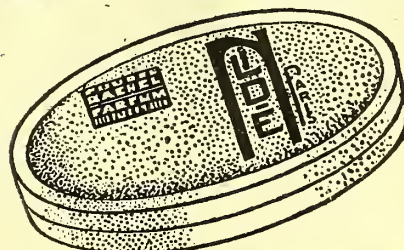
33 1/3%

discount off
selling price.

In 7 shades :—
rachel, naturelle,
ocre rosé, rose,
basanée,
indienne,
blanche.

1/-

P.A.T.A.

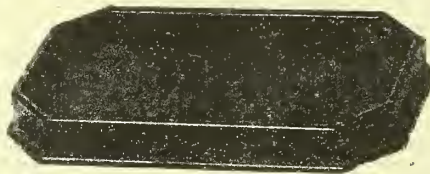


Distributed in
the U.K. by

BROOKS & WARBURTON, LTD.
40-42 LEXINGTON STREET, W.1.



REAL EBONY



BEST QUALITY AT THE RIGHT PRICE.

Send trade card for catalogue showing complete range.

Adolph Scott, Ltd. 23 to 26 Great Hampton St., **Birmingham**

Telephone : Northern 2102-3 (2 lines).

Telegrams : "Adolph, B'ham."

"ODENTIC" PLATE BRUSH



Regd. No. 417637.

From all Wholesalers.

Counter Display Box with every 3 dozen.

Manufacturers:

W. R. Speer & Son

(EST. 100 YEARS)

215 DALSTON LANE - - LONDON, E.8

G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

BEST BRITISH BRUSHES

Please write for full Particulars to—

75 FARRINGTON ROAD, E.C.1.



A
**KEEN
BLADE
AT A
KEEN
PRICE**

The Blade that SELLS as it SHAVES—
"LIKE GREASED LIGHTNING!"

Obtainable from all Leading Wholesalers.
Inquiries from Genuine Wholesalers only are Invited.

Dept. C.D. "Wanie" Distributors:
c/o ROEBUCK'S ADVERTISING SERVICE
Salisbury Square House, Salisbury Sq., Fleet St., London, E.C.4

CHEMISTS—DRUGGISTS! INCREASE BLADE SALES AND PROFITS

COST
YOU

8/-
Per Gross
Post Paid
with **FREE**
BONUS
of 3 doz.
blades to
each gross.

Attractive
Showcards
Supplied.



RETAIL'S

1/6
Dozen
Every Blade
Guaranteed
Hand-
Honed.
The Blade
To Suit
"EVERY-
MAN'S"
Pocket and
Face.

Free testing sample gladly sent on request.
WRITE AT ONCE to authorized distributors:—

L. FRANKENBERG, 125 Houndsditch, LONDON, E.1
Phone: Avenue 8846. Grams: "Uzocarnos, Ald., London."

Profit by this experience

61 Liverpool Road,
Burscough Bridge.

"I can thoroughly recommend the Raleigh Carrier Cycle to any Chemist for delivery work.

Having had one in use for the last three years or so, I have found that it has stood up to the rough usage of the average shop boy exceptionally well.

Frame breakages have been nil, although at times I am afraid we have exceeded the weight limit."

(Sgnd.) R. W. Charnock, M.P.S.

For strenuous service
there's nothing to equal a

RALEIGH CARRIER BICYCLE

Pays for itself out
of increased
profits — only
17/9 monthly or
£9 . 10s. cash.

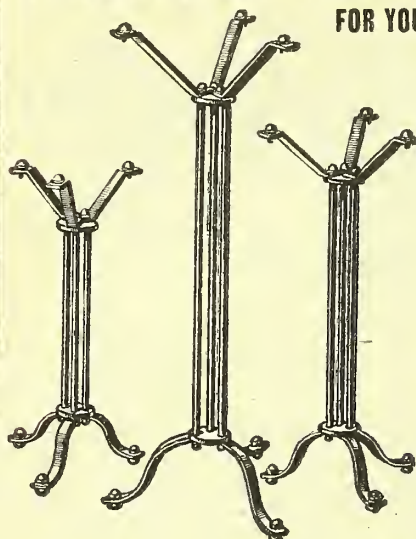
Send for further details and
address of nearest agent.

THE RALEIGH CYCLE
Co., Ltd., NOTTINGHAM.

Strong enough
to bear the
weight of
10 MEN
Guaranteed
for
Ever



A NEW & BETTER TRIPOD FOR YOUR WINDOW



No.
CD/SF 2620

12" 7/6

18" 9/6

24" 12/6

30" 15/6

Each.

Send for our New
Illustrated Spring
List No. CD1100.

No. CD/SF 2620. A new registered design in METAL TRIPODS.
(Regd. No. 738467.)

Strongly made throughout, finished Brown Bronze and fitted with adjustable rubber studs top and bottom. These rubber studs can be raised or lowered, which enables the inequalities of your floor to be overcome. This is a vast improvement on anything previously produced.

**DUDLEY & COMPANY, LIMITED, Holloway Road,
London, N.7, and at 65/66 Fore Street, E.C.2.**

NOT AFFECTED BY D.D.A. REGULATIONS AND
RECOMMENDED BY MINISTRY OF AGRICULTURE.

FARMER'S "BAITED" RAT PASTE

is worthy of mention to the vermin infested. SELLS WELL and does its work.
Please try a stock through any distributor.



NEVER FAILS.
JARS 4d., 7d., 1/3;
LARGE TINS 4/-.
OF ALL CHEMISTS.

Increased PROFITS!

UNDER Sherley's New and Permanent Terms,
you are offered an extra discount of 2½% on
every £2 parcel, plus a further 5% for a fortnight's
window display. Suggested parcels consist of
the best selling lines (P.A.T.A.) and include

SHERLEY'S

LACTOL, LACTOL BISCUITS, WORM
CAPSULES, TONIC & CONDITION
POWDERS AND

SHERLEY'S famous DOG & CAT Books.

You may
make your
own parcels
from lines
retailing at
5/- or less.

which are advertised to 6,000,000 people
weekly in the Canine and National Press.

Write for full particulars, NOW.

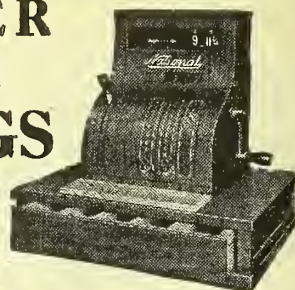
A. F. SHERLEY & CO. LIMITED
18, Marshalsea Road, London, S.E.1

C.F.H. 31

GREATER CARE of the TAKINGS

and more net
profit for you.

This low-priced



National CASH REGISTER

will account for every penny that
comes over your counter, and
prevent mistakes, leaks and loss.

It records sales from ½d. to 9s. 11½d. Indicates each amount back and front. Adds all sales into grand total. This shows exactly how much money should be in the drawer at any time. Cash drawer opens automatically. Bell rings when register is operated. Machine is quick and easy to use. Steel cabinet, best mahogany finish.

PRICE
only
£21
On easy
terms or 5%
for cash.

Write for pamphlet:

The National Cash Register Co., Ltd.
(Dept. C. & D.) 225 Tottenham Court Road, London, W.1

The dog Medicine with the
largest sale in the world is

BOB MARTIN'S

TASTELESS CONDITION POWDERS



For 10/6 you can obtain a good range of
Bob Martin preparations, including the
tasteless Condition Powders, Worm Tablets,
Worm Powders, Distemper Powders and
'92 Ointment. The retail value of this
stock is thirty shillings. Order either from
your Wholesale House or direct from—
Bob Martin, Ltd., Southport, Lancs.

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's
Ailments is advertised so extensively in the daily
and weekly Press as to bring mothers to the
retailer without effort on his part.

The selling has been done before the mother
reaches the chemist, and, having supplied her, it
is only common sense to claim she will buy other
family necessities from him. Moreover, the con-
tinuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

CORNER'S OILS

have **80** years' reputation as a remedy for
Accidents and Animal Ailments.

Protected Retail Price - - - **2/9** per bottle.

Wholesale - - - - - **24/-** per doz.

P.A.T.A. Nett 1 month.

Carriage Paid on 3 dozen Lots.

EVANS, GADD & CO., LTD., having the
sole proprietary rights in the above excellent
and well-known article, are prepared to appoint
Agents on liberal Terms.

For Window Show Terms, apply to

EVANS, GADD & CO., LTD.

REDCLIFF STREET, BRISTOL, and FORE STREET, EXETER.

Why

CATALINE

Pays
to Stock

BECAUSE it enjoys the largest sale of
any Cattle Medicine Preparation
and is on the **P.A.T.A.**

BECAUSE it is consistently advertised
and all advertisements refer to the
Chemist as the source of supply.

BECAUSE it is well packed, does what
it is advertised to do, and shows
the trade a satisfactory profit.

BECAUSE we do not employ travellers
calling on Farmers, attending
sales, &c.

One size, retailed at face value, viz.: 3/9 per bott.

Cash with order terms.

1 doz. 36/- 3 doz. at 35/6. 6 doz. at 35/- 12 doz. at 34/6 per doz.

CARR. PAID. CASES FREE.

Stocked by most Wholesale Houses.

THE CATALINE CO., LTD., Bristol

WEED KILLERS

specially packed

for the

Chemist's Trade

LIQUID. Poisonous

1 to 25, 1 to 50, 1 to 100 strengths

1 pint to 40 gallon sizes

**POWDER. Poisonous &
Non-Poisonous**

In tins for 12½, 25, 50 and 100 gallons

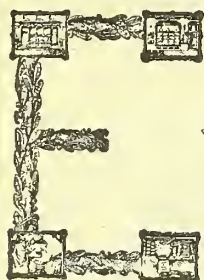
Also

LAWN SAND, WORM KILLER, etc.

Attractive Labels and Packing

Write to

**BATTLE, HAYWARD & BOWER
LINCOLN**



Vol. I (Nineteenth Edition), 27/6 net, postage 6d.
Vol. II (Eighteenth Edition), 20/- net, postage 6d.
The Complete Work in two volumes, 47/6 net, post free.

EXTRA PHARMACOPCEIA

Revised by W. H. MARTINDALE, Ph.D.

NO RECENT DEVELOPMENT IN MEDICAL THERAPY OF INTEREST HAS BEEN MISSED.
NEW TRANPOSITION TABLES for conversion of doses from animals to man. INTRAVENOUS
DOSE TABLE. SPECIAL PREPARATIONS: Descriptions of leading proprietary medicines.
POISONS. DANGEROUS DRUGS ACTS. THERAPEUTIC SUBSTANCES ACT. THERAPEUTIC
INDEX (70 pages). GENERAL POSOLOGICAL INDEX (over 10,000 items).

"We take it for granted that every up-to-date pharmacist will hasten to possess so indispensable a book."—*The Chemist and Druggist*.
Full Leaflet of Contents on application.

London: H. K. LEWIS & CO. LTD., 136 GOWER STREET, W.C.1

Also obtainable from W. MARTINDALE, Manfg. Chemist, 12 New Cavendish Street, London, W.1

WESTMINSTER COLLEGE OF PHARMACY

190 Clapham Road, London, S.W.9

Founder: G. S. V. WILLS, Ph.C. Principal: P. H. WOODNOH, Ph.C., F.C.S.

EVENING CLASSES ARE HELD
EACH WEDNESDAY AND THURSDAY
from 6 p.m. to 8.30 p.m. for the
PRELIMINARY SCIENTIFIC EXAMINATION

Full details and prospectus may be obtained from The Secretary.

THE SOUTH OF ENGLAND COLLEGE OF PHARMACY

186 CLAPHAM RD., LONDON, S.W.9

Principal: H. LUCAS, Ph.C., F.C.S.,
assisted by a fully qualified and competent staff.

THE SCHOOL FOR SUCCESS.

During the year 1928 (January—October) 143
students have passed their examinations from this
College. Part I 66; Part II, 76; Major, 1.

REVISION COURSES start early in April, and in August.

NEW COURSES started early in October. 6 months, Part I;
9 months, Part II. Fees: 20 guineas & 30 guineas respectively.

For all particulars apply The Principal.

MANY SUCCESSES IN THE EXAMINATIONS
Your Opportunity to

QUALIFY IN OPTICS

PRACTICAL WORK. Students taking the course
may receive personal tuition in the practical work
AT ANY TIME DURING THE COURSE.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful
Company of Spectacle Makers (F.S.M.C.); the British Optical
Association (F.B.O.A.); the National Association of Opticians
(N.A.O.); or the College of Optics (F.C.O.).

Write for full particulars—

C. A. SCURR, M.P.S. F.S.M.C., F.B.O.A., F.N.A.O., B.Sc., F.I.O., F.C.O.
50 HIGH STREET, BARNET, LONDON, N.
S.A. Representative: L. L. G. WOOLLEY, F.S.M.C., M.P.S., P.O. Box 1953,
Durban.
N.Z. Representative: R. C. AITCHISON, Box 168 PALMERSTON, North.

CHEMIST-OPTICIANS

who can satisfy the Council in regard to status,
experience and optical knowledge are eligible to
Membership of

THE NATIONAL ASSOCIATION OF OPTICIANS

Urgent.—In view of the near issue of
Optical Benefit Regulations,
it is of vital importance that all practising
opticians shall be efficiently organised.

Application forms, etc., from

The Secretary, N.A.O., 130 Princes Road, Liverpool

PUSH your D & P sales for EASTER

SEND TO US AT ONCE FOR DETAILS OF OUR

March Advertising Offer

A splendid NEW LINE
Mounted Enlargement, with
strut back, to retail 1/6
about

Specimens
HANDBILLS
WINDOW BILLS

COLOURED SPECIMEN
also included, to retail 3/-
at

A. J. SHAWYER & CO. :: TRADE PHOTOGRAPHERS ::
12 WOOD STREET, SWINDON

De Luxe

ART. SILK Bandages & Binders

WASHABLE and DOUBLE STRETCH

Made of High-Class Artificial Silk, Wool and Cotton

**LIGHTER — MORE HYGIENIC — MORE COMFORTABLE
AND VERY ELASTIC**

Crêpsyl

(WOVEN CRÊPE)

AND

Both materials in
cream and flesh and
at same prices.

Silwick

(WOVEN STOCKINETTE)

BANDAGE widths from 2 inch to 4 inch. Prices from 2/- to 4/- each

BINDER widths from 4 inch to 15 inch. Prices 4/- to 15/- each

(All binders reinforced to prevent sagging)

ENQUIRIES AND SAMPLE CUTTINGS FROM THE MAKERS

H. W. LAKE Ltd., 6 & 7 C.D. Redcross St., London, E.C.1

SUPPLIES FROM USUAL WHOLESALERS

KARL HÖLL A.-G.,
Langenfeld, near Cologne, Germany
EXPORT TO ENGLAND SINCE 1884.



Manufacturers of:—

TUBES of all kinds,
plain and decorated.

SPRINKLER TOPS of
all sizes and styles.



IMPORTANT: When asking
for quotations send samples already used and
state quantities required. Goods will arrive
in 3-4 days with direct steamer from Cologne.

THE PREMIER CHEMISTS' SHOPFITTERS

Specialists in Design and Manufacture of
CHEMISTS' SHOPFRONTS & FITTINGS

Established over half a century.

SHOW-CASES

For Immediate Dispatch

H. MILLS & SONS, LTD.
163-5 OLD ST., LONDON, E.C.1.

GLASS BOTTLES

Large Stocks of PHIALS, PANEL FLATS, COUGH
MIXTURE PANELS, MEXICAN FLATS, CANNON
ESSENCES, &c., at low prices.

Write for Prices to—

FREDK. YOULDON (Formerly Proprietor of E. Youldon.
Established 1840.)
68 BASINGHALL STREET, LONDON, E.C.2.

'Phone: London Wall 3529.

Telegrams: "Youldon, Ave, London."

AMOGAS

THE
DOUBLE STRENGTH
AMMONIA
for the Bath, Toilet, &c.



Attractive Showcards supplied. Write for details and prices of the various packings of the above.

ASK US ALSO ABOUT
"KEWTIK" HAND CLEANSER,
IN TINS AND TUBES.

THORNTON & ROSS Ltd.

Manufacturing Chemists,

MILNSBRIDGE, HUDDERSFIELD

PHONE: MILNSBRIDGE 179.

MANCHESTER (BELLE VUE) HOME LIFE EXHIBITION & FASHIONS FAIR

APRIL 3rd to 13th, 1929

Belle Vue is the Natural Amusement Centre of a wide area covering densely populated industrial towns. Enormous crowds are catered for, and it is possible to run these Exhibitions at low cost and on a very economical rate for stand spaces. This Exhibition has a special appeal to prominent producers of foods, drinks, clothing, furniture, pianos, gramophones and other appliances for home and garden, etc. Exhibitions have been proved to be the most economical means of marketing and selling. You should be interested.

FEATURES:

**PALACE OF BEAUTY
MANNEQUIN PARADES**

**STRING BAND OF
H.M. COLDSTREAM GUARDS**
Musical Director: Capt. R. G. EVANS.

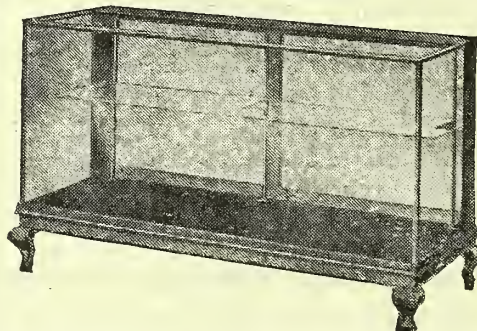
BELLE VUE LADIES' ORCHESTRA

Demonstrations include Cookery, Special Bakery Section, Lectures on Health and Hygiene, Dress-making Lectures, etc.

The Public will have FREE entry from the Exhibition to 75 acres of grounds, which include a huge Pleasure Park and famous Zoological Collection.

All Enquiries should be addressed to ALLEN TOWER, Exhibition Manager, Belle Vue Gardens, Manchester.

King's For Showcases.



No. D.S.1. Solid oak or mahogany frame glass counter. First quality drawn plate glass front top and sides with two clear glass sliding doors at back. Interior fitted with standard bars and brackets and one row of plate glass shelves, polished all round. Size over all: 6 feet long x 3 feet high x 2 feet back to front.

£12 10 0

Ex works. Insured free in transit.

This showcase can be supplied on a first payment of

£1 1 11

and 11 further monthly payments of £1 1 11.

Send at once for full list No. 933 post free.

J. C. KING, LTD.,

42-60 GOSWELL ROAD, LONDON, E.C.1.

'Phone: Clerkenwell 2317 (5 lines).

Registered Trade



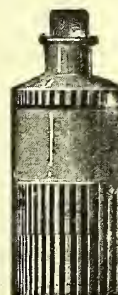
Mark, No. 26866.



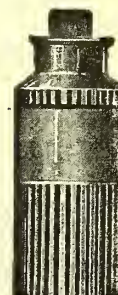
Hand-turned Shop Rounds.



Recessed Shop Rounds.



Recessed Poison Rounds.



SHOP BOTTLES

of the finest finish. Perfect Stoppering. Made in glass free from arsenic and lead; this feature is of vital importance in the case of Shop Bottles.



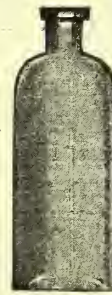
R.C. Flat.



B.C. Flat.

DISPENSING BOTTLES—

accurate in Capacity,
free from arsenic and
lead, and handsome
in appearance. The
aristocrats of bottles.



Oval.



Oval Fronted Flat.



B.C. Square.



R.C. Square.



DOUBLE-ENDED FEEDERS

The finest the world has yet seen.
Made in beautiful lustrous white
flint glass which is so durable that
it may be boiled continuously for
twenty-four hours without shewing
signs of deterioration.



Oval, 2 Flat Sides.



Octagon.

Sold by all the Leading Wholesale Houses.

WOOD BROTHERS GLASS CO., LTD.
BARNSELY, (Established 1828) ENGLAND



is the Original "Patent Roller" with the 140 rounded rubber knobs. Have you a stock? They are advertised in all leading Magazines, etc., and show you a



HANDSOME TRADE PROFIT

Large Model retails at £1 5s.	A sample costs 15/-
Medium Model retails at 17/6	" " 10/6
Small Model retails at 12/6	" " 7/-

OBTAINABLE FROM

BROOKS & Warburton

40/42 LEXINGTON STREET, LONDON, W.1,

OR ANY WHOLESALER.



WHOLESALE DISTRIBUTOR—

HALLIWELL & CO., 48 Lexington St., Golden Square, London, W.1

'Phone: Gerrard 1462, 1463.

Wire: Alliweldry, Piccy, London.



Good
light helps
Sales.
Therefore
use

MADE IN
ENGLAND

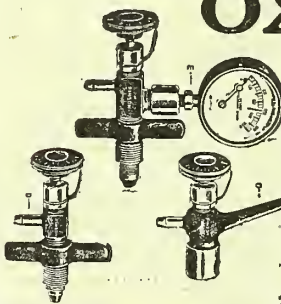
**PEARL
MAZDA
LAMPS**



5161

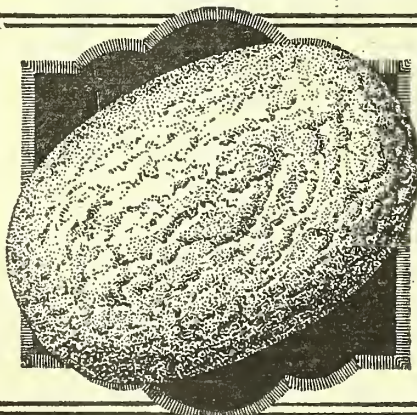
THE BRITISH THOMSON-HOUSTON CO. LTD.
CROWN HOUSE, ALDWYCH, LONDON, W.C.2.

The Pinson *Fine Adjustment* OXYGEN VALVE



Supersedes other types.
Screws into main valve
in usual way.
Very delicate control. No
jamming or stiffness. Hard-
wearing. Perpetual guarantee.
Positively leakproof.
Perfect Workmanship.

The Manchester Machine &
Instrument Mfg. Co., Ltd.
2 Booth Street, Manchester.



Two thirds
actual size

Bath Rusks

Unsolicited testimonials daily for Carr's famous Bath Rusks which are ideal for babies and young children. Scores of letters from grateful mothers. Recommended everywhere.

Made only by

CARR'S of Carlisle

The Oldest House in the Trade

MOORLAND SALES INCREASE BECAUSE THEY 'DO THE TRICK'

Which is simply this: Moorland Heart Shape Tablets are the best and most reliable aid to digestion on the market. AND YOUR CUSTOMERS KNOW IT. That's why they buy with such an amazing confidence. The original superior formula has a lot to do with it. So you see how quality tells—and sells.

**HEAPS OF GOOD SHOWMATTER SENT
WITH EVERY ORDER**



One Doz. 4/6. One Gross 51/-. Retail 7½d.

W. B. CARTWRIGHT LTD. RAWDON near LEEDS

PRECIPITATED CHALK

LIGHTEST—MEDIUM—DENSE.
And All Other Grades To Suit Every Purpose.
CHEMICALS FOR ALL INDUSTRIES.

'Phone : Central 4613.

Tel. Add. : "Levermore, Phone, London."

A. LEVERMORE & CO. LTD. ABC Codes
110 CANNON STREET, LONDON, E.C.4. 5th & 6th Editions.



JOHN BELL, HILLS & LUCAS LTD.

OXFORD WORKS, TOWER BRIDGE ROAD, LONDON, S.E.1.

130 years' reputation for purity and excellence.
Pharmaceutical preparations, Drugs and Chemicals of high quality.
Packed Goods of elegant finish and Choice of many styles.
Specialists in compounding and packing customers' private formulas.
Price List on application Telephone: Bermondsey 1141

FRED^K. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.3.

TEL. : ROYAL 5094.

GUMS, ARABIC and TRAGACANTH as Imported or
Finely Powdered. :: SHELLACS ALL GRADES.

SOUTH AFRICA & CANADA

Manufacturers who are desirous of reaching the Wholesale and Retail Chemists and Druggists throughout Africa and Canada should advertise in the

"African Chemist and Druggist," "Canadian Druggist."
Specimen copies and rates can be had from Sole English Representatives :
SHARLAND & CO., Eldon St. House, Eldon St., London, E.C.2.
Phone : Bishopsgate 4054.



SHADEINE

For COLOURING GREY HAIR

This popular article is largely advertised

and stocked by all Wholesale Houses.

Trialeize 8d. per doz. 6/-

1/4 elze, per doz. 12/-

2/8 elze, per doz. 24/-

3/8 elze, per doz. 36/-

The SHADEINE CO., 58 Westbourne Grove, London, W.2.

MANUFACTURERS & EXPORTERS OF

TOILET BRUSHES

Also suppliers of HANDLES AND BRISTLES

SAKABE & CO. No. 4 Naniwacho, Kitaku
OSAKA, JAPAN.
Established 1905. Proprietor : JIRO SAKABE.

THE HOUSE FOR QUALITY IN PUFFS

NOVELTIES ALWAYS AVAILABLE

COMPACT POWDERS

Specially Prepared.

Any Tint. Any Perfume.

F. SCHUTZE & Co., Ltd.

BLACK BULL WORKS, CALEDONIAN ROAD, LONDON, N.7



ADVERTISING NOVELTIES

IF YOU ARE LOOKING FOR REAL NOVELTIES
PLEASE APPLY TO THE MANUFACTURER

KRONHEIMER BROS. FUERTH (BAVARIA)

Our representative will shortly be in England.

RADIOMITE LIMITED

announce the opening of an Advertising Campaign to the
Public for the sale of RADIOMITE INSOLES and
RADIOMITE PADS.

Enquiries from the Trade Solicited.

Address :—SUNRAY WORKS, BURLINGTON LANE,
LONDON, W.4. 'Phone : Chiswick 1891.



THE
RELIABLE
HOUSE for
Puffs of every
description in
Down, Wool,
Velour & Beaver.

POWDER PUFFS

**SPENCER BROS
MANUFACTURERS**

30-40 SHOE LANE LONDON E.C.4

THE SPEEDY D. & P. SERVICE

PROPRIETOR, C. T. HINES, Ph.C., M.P.S.

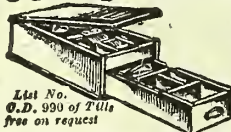
All orders received by the mid-day post for Developing,
Printing and Enlarging despatched same day.

Local Collection and Delivery, CITY.

Posters, Specimens, Labels, Duplicating Order Books, FREE.

57 GREAT PRESCOTT STREET, E.1

SENT ON 14 DAYS APPROVAL



upon receipt of cash or two wholesale trade
references. "LITTLE BRILLIANT" TILLS
Improved 16 x 34 x 6 ins.
mahogany, highly polished, lock
to lid and drawer, warning bell,
secret catch and check action.

32/-

Colts 2 1/2 ins. wide 4/- doz.

DUDLEY & COMPANY, LTD.

538-576, Holloway Road, London, N.7.

CHEMISTS' FITTINGS

OF EVERY DESCRIPTION.

NEW AND SECONDHAND.

E. BERG, LTD., 336 Old Street, E.C.1

THE CHEMIST'S MONOPOLY—

P.P.T.

Py-SHAN POINTS TEA

SECURES YOU REGULAR CUSTOMERS

5d. per lb. PROFIT or 7d. per lb.

when cash accompanies order.

THOS. CHRISTY & CO., 4/12 Old Swan Lane, E.C.4

Potter & Clarke, Ltd.

60/64 ARTILLERY LANE, LONDON, E.1

Phone: Bishopsgate 4761.

Grams: "Horehound, Phone."

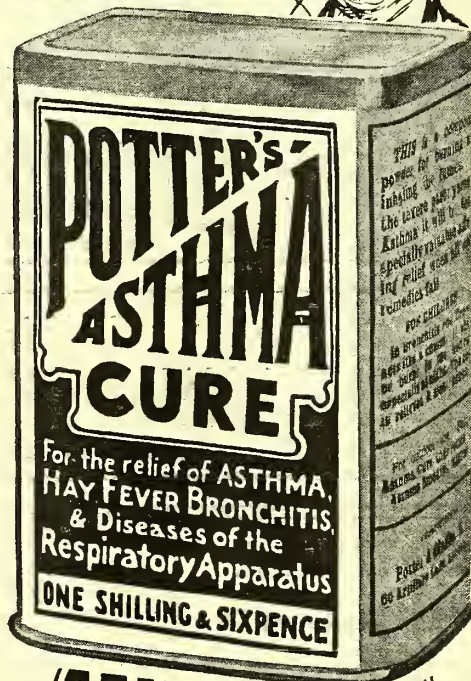
and at 24 LUNA STREET, GT. ANCOATS, MANCHESTER

POTTER'S ASTHMA CURE

Has found its
public, and is
being widely
advertised at
home and
abroad.

POTTER'S ASTHMA CURE stands
alone for efficacy and public esteem.
Purchase your supplies direct from
us or through your usual wholesaler.

*My Asthma
has gone
-thanks to*





**ROBINSON'S of
CHESTERFIELD**
for
**CARDBOARD
BOXES**

ROUND • OVAL • SQUARE • FOLDING

ROBINSON & SONS LTD.
CHESTERFIELD & LONDON



"SAMPLING" BOXES

Illustrated above are a few of our "Sampling" Boxes.

These little boxes are very neat indeed and are fitted with self-sealing lid which can be supplied either in the dredger type or plain.

Send for samples and prices.

ROBINSON & SONS, Ltd.

Manufacturers of ROUND, OVAL, SQUARE AND FOLDING
CARDBOARD BOXES,
CHESTERFIELD



THE "MARSON" DENTAL PLATE BRUSH

IN STIFF UNBLEACHED BRISTLE
Best English Make. Packed in Cartons.
SAMPLES AND PRICES ON APPLICATION
C. F. MARSHALL & SON
Devonshire Works, Devonshire Rd.,
HACKNEY - LONDON, E.9

"Wimaco" Specialities, British and Best.

MONARCH SEAL QUININE PESSARIES—Full Strength Guaranteed.

INSIST ON WIMACO MONARCH SEAL BRAND (Regd.). THERE IS NO SUBSTITUTE FOR WIMACO.

WINCHESTER MANUFACTURING CO., LTD., ISLEWORTH, MIDDLESEX

**POWDER
BELLOWS**



Baker Metal Stopper Co. Ltd.

RELIANCE STOPPER WORKS

261 Icknield St., BIRMINGHAM.

Telegrams: "Screwcap, Birmingham."

Telephone: Northern 1562.



SCREW CAPS

in ALL Metals

Including Nickel Silver and
Gilt for Face Cream Pots,
and for frozen Cologne
containers.

ALUMINIUM BOXES

Increase the volume of
your trade by
selling the larger size



A word or two at the right moment often leads to the sale of the larger size, particularly of products in regular demand. It is more profitable and gives as much satisfaction to the purchaser as to yourself.

TRADE MARK 'TABLOID' BRAND
Cascara Sagrada

TRADE MARK 'TABLOID' BRAND
Laxative Vegetable

TRADE MARK 'TABLOID' BRAND

Cascara Sagrada

Prepared with such exceptional care that activity, uniformity and accuracy of dosage combine to produce the perfect product.

Bottles of 25 and 100, gr. 2, 7½ and 18½ per doz. respectively (subject)

Also in the following strengths: gr. 1, gr. 3, gr. 4, gr. 5, 0.15 gm. and 0.25 gm.

TRADE MARK 'TABLOID' BRAND

Laxative Vegetable

Well known and constantly prescribed by the medical profession, who appreciate its utility and high standard of quality.

Bottles of 25 and 100, at 10/- and 30/- per d z. respectively (subject)

These are typical products in constant demand which offer good scope for the sale of the larger size. A tactful reference to the economy of such a purchase is welcomed by the majority of customers.



BURROUGHS WELLCOME & CO., LONDON
Address for communications: **SNOW HILL BUILDINGS, E.C. 1**

Exhibition Rooms: 54, Wigmore Street, W.1

Associated Houses: NEW YORK MONTREAL
SYDNEY CAPE TOWN MILAN BOMBAY
SHANGHAI BUENOS AIRES

COPYRIGHT

WARRICK BROTHERS, LIMITED

AMULETS.
CACHETS & APPARATUS.
CACHOUS.
CAPSULES.
CHANTICLEER PASTILLES.
CHAPIREAU'S CACHETS.
CHOCELIÆ.
CINET GOODS.
COMPRESSED TABLETS.
CRYSTADES.
EAU DE COLOGNE.
ESSENTIAL OILS.
EXTRAITS AUX FLEURS
FIZZLETS. (*Suspended*)
FLEXETTES.
FLEXOIDS.
FRAGRETS.
JAPADUMS (CINET).
LOZENGES.
LUBRILAX.
NORETS.
NOSTRONES.
ORIFORM LOZENGES.

OTTOLETTES.
PASTILLES.
PERFUMES.
PERFUMETTES.
PERLES.
POMADES (FLORAL).
POT POURRI (CINET).
PULVELLÆ.
REFRESHLETS.
ROSE WATER.
SACHETS.
SYNTHOROSE.
TOILET SOAPS.
WALMSLEY CLEANING
PADS.
ZEPHYR BUTTONHOLES.
ZOMBS.

Also Special Agents for
JELLOIDS.
IRON JELLOIDS.
DULCILAX.
MADDOCKS' PERFUMERY.
HENDRIE'S

6 Nile Street, City Road, London, N.1

Telephone: CLERKENWELL 2452.

Telegrams: "WARRICKERS NORDO, LONDON."

CORRESPONDENCE FROM OVERSEAS SOLICITED.



A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

SUBSCRIPTION RATE

TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single copy, 9d., post free; *Diary*, 10s., post free. Postal Orders and Cheques should be crossed "Bank of Liverpool and Martins, Ltd."

TERMS FOR ADVERTISING may be obtained on application to:
Head Office: 42 CANNON STREET, LONDON, E.C.4
 (Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617.)

Branch Offices: 4 Cannon Street, Manchester. (Tel.: City 0052.)
 54 Foser's Bldgs., High St., Sheffield. (Tel.: 22458.)
 19 Waterloo Street, Glasgow. (Tel.: Central 2329.)
 Melbourne and Sydney, Australia.

Contents	
No. 7	Vol. 110
Series 2538	
PAGE	PAGE
Births	Insurance Act Dis-
Books, New	pensing
Business Changes ..	Legal Reports
C. & D. Commercial ..	Menthof from Mexico ..
Compendium	New Companies
Colonial and Foreign ..	Notes on Books
News	Observations and ..
Coming Events	Reflections
Correspondence:—	Ophthalmic Benefit ..
Letters	Personalities
Dispensing Notes ..	Pharmaceutical ..
Legal Queries	Society of Great ..
Miscellaneous In-	Britain:—
quiries	Conversations
Deaths	Branch Meetings
Dextrin Manufac-	Pharmaceutical ..
ture	Society of Trinidad ..
Editorial Articles:—	and Tobago
The King's Health ..	Retrospect
Misdescription of ..	Scottish News
Wines	The Beginner in ..
Platinum Position ..	Business
English News	Trade-marks
Festivities	Trade Notes
Gazette	Trade Report
Information Depart-	Two Manuscript ..
ment	Recipe Books
Irish News	Westminster Wisdom ..
	Wills

Westminster Wisdom

Notes on Parliamentary Matters

ASPIRIN TABLETS IN AUTOMATIC MACHINES

Sir Robert Thomas asked the Minister of Health, on February 13, whether he is aware that there is a movement to instal automatic machines for the sale of aspirin, and whether his advisers are of opinion that such uncontrolled sale of this drug is in the public interest?

Sir Kingsley Wood replied: I understand that this question has been referred to the Inter-Departmental Committee on the Poisons and Pharmacy Acts, and my Rt. Hon. friend must await their report before expressing any opinion upon it.

Sir Robert Thomas asked whether the Minister could give a date when that report might be expected?

Sir Kingsley Wood said he could not do that, but he suggested that the Hon. Member might put the question to the Home Secretary.

Sir Wilfred Sugden asked whether the Minister was aware that aspirin was being widely advertised and sold as "aspiro" up and down the country in small penny-worths in little tiny shops?

No answer was returned.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

British Industries Fair, 1929

The London Section of this year's British Industries Fair opens at the White City, Shepherd's Bush, W.12, on February 18 and closes on March 1. Among the advertisements in this issue will be found those of various houses in the chemical, drug and sundries trades who have taken space. We desire especially to call the attention of our subscribers and others interested to the fact that THE CHEMIST AND DRUGGIST has a stand of its own in the Chemical Section (K. 116: telephone, Park 5681); and we trust that all trade visitors who have the opportunity will make themselves known there as they pass through the Section, and will avail themselves of the facilities for correspondence and so forth which will be at their disposal.

Chemical Society

The eighty-eighth annual general meeting and anniversary dinner of the Chemical Society is to be held in Leeds on March 21, and every effort is being made so that the gathering shall be representative of all branches of chemistry and chemical industry. The presidential address, entitled "Co-operation in Science and Industry," will be delivered by Professor J. F. Thorpe, C.B.E., F.R.S., at Leeds University (where the annual general meeting will be held), at 4.30 p.m. The dinner will take place in the evening in the Town Hall, at 7 p.m., and the principal guest will be Viscount Lascelles, K.G., D.S.O. Tickets (12s. 6d. each) may be obtained from Mr. S. E. Carr, the Chemical Society, Burlington House, Piccadilly, London, W.1. The Directors of the British Dyestuffs Corporation, Ltd., have invited a limited number of Fellows to visit their works and laboratories on March 22. Those desiring to avail themselves of the privilege should communicate with Mr. H. S. Patterson (The University, Leeds) before March 19.

Inquests

At an inquest held recently on the body of John Davies, Glynwynach, Dr. Ivor Thomas said that when he asked Davies what he had taken he replied, "Twenty aspirins and a sip of ammonia." The inquest was adjourned for an analysis to be made.

An inquest was held at Lewisham, London, on February 8, on the body of Dr. James A. Tolmie, Lee, whose death occurred following an attack of pneumonia. One of the nurses stated that the doctor had had filled some cachets from a bottle labelled "Morphine hydrochloride." Dr. Douglas Ross said Dr. Tolmie told him that for the last twenty years he had been in the habit of taking morphine to relieve pain, and that he had taken as much as 20 gr. a day. Another medical witness said that in his opinion the morphine had nothing to do with the cause of death. The jury found a verdict of "Death from natural causes," adding that the nurse should have advised the doctor in attendance that the cachets were being taken. The coroner warned the nurse not to give any drugs which were poisonous without orders from the medical attendant.

Birmingham

The annual dinner of the Birmingham and Midland Section of the Society of Chemical Industry, the Institute of Chemistry and the British Association of Chemists has been arranged for February 23, 1929, at the Midland Hotel, New Street, Birmingham.

A successful whist drive in aid of the Pharmaceutical Society's Benevolent Fund, organised by the Birmingham Pharmaceutical Association, was held on January 30. There were 170 members and friends present, and Mr. D. J. Rushton (secretary) acted as M.C. Mrs. H. Berry, wife of the vice-president, presented the prizes. The winners were:—*Ladies*—Miss Sharpe, Mrs. Kerkhoff, Miss D. Taylor, and Mrs. K. Thompson. *Gentlemen*—Mr. Louch, Mr. Tranmer, Mr. Hill and Mr. Wilson. The amount made for the Fund was £17.

Liverpool

Health week is being observed in Liverpool this week, and in Bootle next week.

During the present week a letter from Mr. W. H. Saunders, chairman of Ayrton, Saunders & Co., Ltd., reached the London offices of THE CHEMIST AND DRUGGIST from Melbourne, Australia. By chance Mr. Saunders had noted that on January 4, the day the letter was dispatched, the shade temperature in Melbourne was 97° F.: his letter arrived on a day officially declared to be the coldest in London for many years, with a maximum shade temperature of 26° F.

Under the auspices of the Birkenhead and Wirral Pharmacists' Association a fancy dress dance on February 7 at St. Peter's Hall, Rock Ferry, proved highly successful, 140 members and friends attending. The arrangements for a successful function were made by a committee consisting of the president, Mr. F. C. Cooling, and Miss Cooling, Mr. and Mrs. C. H. Wright, Mr. and Mrs. F. Snow, and Mr. and Mrs. W. G. Snow. The judges of the fancy costumes were the Chief Constable, Capt. Dawson, and Mrs. Dawson, Mr. Stewart Johnson, and Miss Sophia Somers. The Association have arranged to hold a meeting and dinner at the Woodside Hotel on March 14. Mr. H. N. Linstead will be the chief speaker. Tickets, 10s. 6d. each, may be obtained from Mr. G. L. Hale, c/o Mr. W. H. Snow, 177 Laird Street, Birkenhead, and early application is desirable.

Sheffield

In a football match against Jewish Sports, recently, the chemists' team was victorious by 7 goals to 2.

Mr. E. H. Polls (representative of Edme, Ltd., malt extract manufacturers), financial secretary of the Sheffield Branch of the United Commercial Travellers' Association, has been elected honorary treasurer to the Yorkshire and District Federation of Commercial Travellers.

Miscellaneous

LATE CLOSING DAY CHANGED.—Crewe Town Council and Morley Town Council have made orders fixing Friday as the late closing day instead of Saturday.

POISON-LICENCE APPLICATIONS.—Applications for a licence under section 20 of the Poisons and Pharmacy Act, 1908, has been made to their respective local authorities by the following:—Frescott & Co., Ltd., Doncaster; A. McMullen & Co., Ltd., Hertford and Royston.

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS.—The election of the committee of the National Association of Women Pharmacists takes place in April. Nominations of new candidates (with the consent in writing of the candidates nominated) should reach the secretary, 115 Priory Road, Hornsey, London, N.8, not later than March 1. Each nomination should be signed by two members of the Association.

IN THE COURTS.—At Thames Police Court, London, on February 8, George Watts, described as a musician and translator, was sentenced to twelve months' imprisonment in the second division for having been in unlawful possession of morphine sulphate. It was stated that the accused obtained prescriptions for the drug from one doctor without disclosing the fact that he was having similar prescriptions from another doctor.—At Lambeth Police Court, on February 11, Mary Smith (37), Barking, was fined 20s. for stealing a handbag, the property of Bewells, Ltd., chemists, Walworth Road, S.E.

UNITED KINGDOM COMMERCIAL TRAVELLERS' BENEFIT SOCIETY.—The February issue of "On the Road" records that the United Kingdom Commercial Travellers' Benefit Society makes a good show as the results of its operations in 1928. There were 517 new members admitted, who between them took up 2,677 shares. The subscription income was £74,000, an increase of £4,000 on 1927. Sickness benefit took £15,309. During the year ninety-three members were paid out, and they took with them £12,775. Death claims amounting to £5,665 in respect of fifty-six members were paid during the year. On the house-purchase side of the work the Society advanced £94,450, and still had £50,000 to invest in corporation loans. The turnover in house-purchase business has now passed the million-and-a-quarter mark.

Scottish News

Brevities

Low and Johnstone, Dumfries, have been appointed chemists for a year by the Maxwelltown Town Council.

Mr. James B. Philp, chemist and druggist, has taken over the Station Pharmacy, Eskbank, previously carried on by Mr. J. R. Sutherland, Dalkeith.

Professor F. J. Charteris, Dean of Faculty of Medicine at the University of St. Andrews, recently delivered an address on "Medicine's Debt to the Savage."

The glut of qualified locums has been considerably reduced owing to the need for relief by many chemists who had been overworked and are laid up with influenza.

Dispensing continues at high pressure throughout Scotland, but thanks to a plentiful service of motor deliveries goods can be obtained from wholesalers in record time.

Glasgow

A new branch has been opened by Mr. H. B. Dunn, chemist and druggist, at 509 Cathcart Road, Govanhill, Glasgow.

S. S. Goldberg, 153 Oxford Street, Glasgow, C.5, have been appointed agents in Scotland for Goodall, Backhouse & Co., manufacturing chemists, Leeds.

Mr. Hugh N. Linstead, secretary of the Pharmaceutical Society, visited the Royal Technical College, Glasgow, on February 1, and gave an interesting lecture on "The Political Frontiers of Pharmacy" to members of the College Pharmacy Club. The meeting was thrown open for discussion, and questions were put by the staff and students. The meeting closed with a hearty vote of thanks to Mr. Linstead.

Irish News

Brevities

Miss D. Brennan, late of Dublin, is about to open a pharmacy in Kilkenny.

The tender of the Cork Chemical and Drug Co. for the supply of medicines to the Cork Fever Hospital has been accepted.

A point of importance to chemists and druggists was mentioned at Portadown Petty Sessions on February 11, when the clerk of the Court informed the presiding justice (Mr. G. McElroy, R.M.) that the application by Mr. J. Sandford, R.D., for an "off" wine licence was not being proceeded with. Mr. McElroy said that the 1927 Liquor Act required a magistrate's certificate, and stated it should be obtained at the annual Licensing Petty Sessions. He thought that direction was mandatory on him, and, therefore, he would not grant those licences except at the annual Licensing Sessions. As several applications had been made to him he thought it well that that should be known.

Belfast

At the February meeting of Belfast Corporation the Police Committee reported that the Ministry of Home Affairs had transmitted a copy of Regulations made by the Ministry under the Poisons and Pharmacy Act, 1908, which repeal and supersede the Regulations made in 1926.

The pharmacy of Mr. S. Irwin, 35 Great Victoria Street, Belfast, was damaged in the recent fire which destroyed the linen warehouse of Spence, Bryson & Co. A sale of the stock at cheap rates was begun on February 8. The premises will be rebuilt.

In the King's Bench Division, Belfast, on February 8, before the Lord Chief Justice, in an action brought by George Bruce, trading as Chapman's, Tottenham Court Road, London, W.1, against George W. Kinkead, chemical broker, Donegall Square South, Belfast, for the sum of £105 16s., for goods sold and delivered, Mr. I. Copeland, for the plaintiff, said that the defendant had signed a consent to judgment being entered against him for £99 6s., with costs. His lordship directed that judgment be entered for the plaintiff accordingly.

Ophthalmic Benefit

It has been evident for some time that the present arrangements for the administration of ophthalmic benefit, under which the British Medical Association set up a list of ophthalmic practitioners willing to treat insured persons and to prescribe glasses, at a fee of one guinea, have not been working satisfactorily. The larger societies, while agreeing that the ideal arrangement would be to have all their members requiring such attention examined by ophthalmic practitioners, say that their funds will not allow them to pay the guinea fee in all the cases recommended by Insurance practitioners. The funds of approved societies available for ophthalmic benefit are limited, and are not likely to be increased; rather are they likely to be decreased. Recognising the need for meeting the difficulties of the approved societies in this connection the Association has now expressed approval of the principle of providing ophthalmic benefit in large centres of population through clinics—the clinic to be regarded as an arrangement auxiliary to the existing scheme of attendance by ophthalmic practitioners privately. The Association, in conjunction with the Association of Dispensing Opticians, has set up a National Ophthalmic Treatment Board, which is, for the time being, composed of representatives of the two Associations in equal numbers. This Board has decided to establish in large centres a scheme for the provision of ophthalmic benefit (a) at central clinics, and (b) at home clinics at the ophthalmic practitioners' consulting rooms at fixed hours. This arrangement will provide for ophthalmic examination and advice—that is, examination and prescription for glasses, if required, such operative treatment and advice as could be given at a single consultation at the consulting rooms, and a report, when necessary, for the guidance of the private practitioner, for a fee of 10s. 6d. per case. Any approved society recommending an insured person, entitled to ophthalmic benefit, to receive this benefit under this arrangement, will be required to provide the fee of 10s. 6d. payable to the ophthalmic practitioner, and a further 7s. 6d. in respect of the glasses, where these are prescribed—making a minimum liability of 10s. 6d. and a maximum liability of 18s.; where glasses are not prescribed the total liability is 10s. 6d. for the ophthalmic practitioner's fee. For the appropriate fee the patient will be supplied without charge with one of the following: Best quality white metal non-rusting rimmed spectacles, best quality white metal non-rusting rimmed eyeglasses, or best quality white metal non-rusting rimless eyeglasses—glazed with any lenses ordered on prescription (with the exception of Crookes's glass, tinted glass, prisms or bifocals, the extra cost of which is shown on a schedule), complete with case. For additional and voluntary payments according to a schedule the member may be supplied with rimmed or rimless spectacles or eyeglasses of superior workmanship. In the first instance it has been arranged that those presenting themselves for examination will be dealt with by the ophthalmic practitioners at their own private consulting rooms at stated hours. Central clinics will only be established in densely populated areas if occasion demands, and in all cases the alternative of treatment at a home clinic in the ophthalmic practitioner's private consulting rooms at stated hours will be given. It is proposed to start home clinics in fourteen London districts and in about sixty provincial centres under that part of the scheme which provides for examination of the patients' eyes by ophthalmic practitioners at their own consulting rooms at definite stated hours. It must, of course, be recognised that those persons who desire to consult an ophthalmic practitioner privately at a fee of one guinea at times other than those set aside for patients under this scheme can do so by making private arrangements with an ophthalmic practitioner whose name appears on the Association's list. Patients will be shown a list of ophthalmic practitioners participating in the scheme by the local dispensing optician, who will make the desired appointment for them, thus obviating the inconvenience of a prolonged wait. An essential feature of the scheme will be the provision of evening service, thereby rendering it unnecessary for the patient to take time off during working hours, with a possible loss of wages.

Pharmaceutical Society of Trinidad and Tobago

A "GREETINGS" CARD has been sent to us by the secretary, Mr. H. Joseph, enclosed with a report of the general meeting, held on December 12, 1928. There were present:—Messrs. Percy Philip (in the chair), F. E. Grant (vice-president), J. F. Nelson, Hugh Piggott, Reginald Adams, Carl McCarthy, E. A. Walcott, Henry Joseph (secretary) and T. R. Hezekiah (assistant secretary). The chairman informed the meeting that there was no necessity to write the Colonial Secretary in respect of the control of the price of quinine, as the Governor had taken prompt action in the matter. The committee dealing with the question of students and apprenticeship had not met, as Mr. R. McCarthy was still laid up, and Mr. Thomas had not as yet returned from the country. A letter from Dr. E. Prada thanking members for their letter of condolence in connection with the death of his son, Alberto, was read. The secretary, presenting his report on the Society's activities for the year, remarked that it was seven years since the Society had been reorganised (after a previous existence of nearly forty years), and that those who had been carrying on could congratulate themselves on the measure of success and recognition they had attained. The great difficulty was to get members to realise their financial obligations. The receipts for the year amounted to \$94.45; expenses, \$76.72; balance, \$17.73. Official publication of reports of meetings in *THE CHEMIST AND DRUGGIST* had meant a lot in the matter of publicity. Their success, and the success of like organisations abroad, was due to publicity and exchange of views in official organs and at times in the public Press. The president and Mr. Ralph McCarthy had given evidence before the Early Closing Committee, and hopes are entertained that their evidence will go a long way in helping to adjust the hours to the satisfaction of the majority of pharmacists. The round-table conference, under the chairmanship of the Surgeon-General, regarding the dispensing of prescriptions by D.M.O.s, should go far to establish the justice of their claims in respect of that unnecessary practice. A serious phase of their pharmacy life was the question of students and apprenticeship. Educational qualification was not alone sufficient; discipline and conduct were also essential; and that brought the necessity for a Board of Pharmacy under statute. Speaking of the future, Mr. Joseph was of the opinion that there is one source of hope for the druggist on his business side—only one source to which he can turn—and that is himself. On the professional side legislation can help the practice of a profession, not as a right, but as a privilege. "A stream can rise no higher than its source, and the stream of pharmaceutical effort, to alleviate undesirable business conditions in the field of pharmacy, can rise no higher than the source of well-directed effort put forward to attain that end." Mr. Piggott moved the adoption of the report; this was seconded by Mr. Walcott. Mr. Adams, in supporting the adoption, congratulated the secretary on his report. Mr. McCarthy said he was in agreement with what the last speaker had said. The report was adopted. The treasurer's report for the year was then read by the secretary. All that was needed was unselfish determination and a sincere desire to advance the cause of pharmacy. The president said that after the exhaustive report of the secretary there was little left for him to say. When he took the chair at the beginning of the year he was somewhat nervous, but with the help of the vice-president he had managed to fill the post. Any measure of success under his chairmanship was also due to co-operation of the members. Mr. Walcott said he begged to move the suspension of the standing rules, and moved that all the officers be re-elected *en bloc*, as they had performed their duties satisfactorily. Mr. Adams seconded, and it was carried with acclamation. Mr. Grant thanked the members for re-electing him, but thought they should give others a chance to take up office when next election came round. The following were elected members of the Executive:—Messrs. J. F. Nelson, E. A. Walcott, Carl McCarthy and Reg. Adams. After some minor discussion the holding of an annual dinner on the last Friday in January met with unanimous approval.

Colonial and Foreign News

METRIC SYSTEM IN MEXICO.—A presidential decree notifies the enforcement of the metric system and the exclusion of the use of all other weights and measures. All articles are to be sold by weight, measure, or volume, the sale of "package" goods as such being prohibited. Sales must be in units or multiples of 1, 2 or 5 of some metric unit; the use of fractions not being permitted, the importation or sale of goods in packages of 1 lb. (0.4535 kilo) for example, or in multiples of 1 lb., would be prohibited. Where, however, as in surgical supplies, patent medicines, etc., it might be impossible to follow this rule, special permits may be granted.

IN view of the epidemic of influenza, Parisian pharmacists were individually informed on February 2 that they would all be allowed to remain open on the next day (Sunday). This exception to the Sunday closing edict met with general approval, and its desirability was emphasised by the large number of patients who purchased remedies. In fact, in some quarters of Paris pharmacies were sold out of the various popular remedies before the closing hour. In view of this permission was renewed for February 10. Pharmacists who preferred to close posted up the usual notices indicating the whereabouts of the nearest open pharmacy.

TOILET SOAP IN JAMAICA.—The imports in 1927 amounted to 180,787 lb., valued at £11,493—an increase, compared with 1926, of approximately 15,000 lb. in weight and £1,200 in value. The United Kingdom supplied in 1927, 69,163 lb., worth £4,193; the United States, 54,386 lb., worth £4,153; and Canada, 50,222 lb., worth £2,739. Competition in toilet soaps is very keen, and much advertising is done. In the past few years one or two well-known American makers have turned over their Jamaican business to their Canadian factories, so as to benefit by the preferential tariff. Imports from Canada were 19,314 lb. in 1924, 29,952 lb. in 1925, and 37,933 lb. in 1926.

INDIAN TARIFF ON SPIRIT.—Customs Ruling No. 6 of 1928, issued by the Government of India (Finance Department Central Revenues), states that "The words 'spirit' or 'spirits,' where used in Items 30, 31 and 32 of the Statutory Import Tariff, Part II, Schedule II, to the Indian Tariff Act, 1894 (viii of 1894), are not confined to ethyl alcohol, but also cover all other alcohols the proof strength of which can be ascertained, i.e., all alcohols that (a) are miscible with water, and (b) have in the absolute state a specific gravity, relative to water, of not more than .923 (twelve-thirteenths). These conditions are fulfilled by methyl, propyl, amyl and butyl alcohols and their isomers."

CAUSTIC SODA AND SODA ASH IN JAVA.—The trade in these products is controlled by Great Britain and the United States. Imports of British caustic soda during 1927 comprised 2,309 metric tons and of soda ash 960 tons. United States furnished 1,593 tons and 171 tons respectively. Germany supplied 186 tons of caustic soda and the Netherlands 149 tons of caustic and 66 tons of ash. It is estimated that 80 per cent. of the 4,260 tons of caustic soda imported into Java during 1927 were consumed in the sugar mills, and that the bulk of the caustic soda imported into Outer Possessions is used in the petroleum refining industry. A portion of the alkali imported is consumed by the bottling works for washing purposes.

DRUGS AND MEDICINES IN DOMINICA.—A report on the trade of the Dominican Republic, published in the Canadian "Commercial Intelligence Journal," indicates that there is a considerable demand for drugs and medicines of all kinds. The Dominican has great belief in the efficacy of advertised cures, which should be attractively labelled, and the instructions set out in Spanish. It is unlawful to sell or give away any patent or proprietary medicine unless the name and formula have been previously approved and registered in the Department of Sanitation and a certificate issued, the fee for which is \$5. Applicants for the certificate must furnish the Department with two samples in the exact form and container in which it is proposed to vend it.

OPIMUM MONOPOLY IN KIANGSU AND CHEKIANG.—The Kiangsu and Chekiang Provincial Governments have recently instituted a Government monopoly in opium, and farmed out the business to two private concerns specially organised for the purpose, known as the Hsin Yuan and Chung Hsin Companies respectively. The object of the monopoly was to curtail the consumption, but the above concerns, being anxious to make profits, have been making efforts in the opposite direction. This has called forth much criticism from the intellectuals of the provinces, and the Governments have cancelled the charters of the two Companies. Instead Government Opium Monopoly Bureaus are now established, and the Director of the Kiangsu Bureau has already assumed office, while that of the Chekiang Bureau has also been appointed. The policy of the latter is to sell only anti-opium pills, while doctors and druggists may obtain small quantities of opium for medical use.

A SPONGE INDUSTRY FOR SPANISH MOROCCO.—Attention has been drawn to the possible development of a sponge industry in Morocco by the grant of a ten-year concession, under date of April 3, 1928, to Don Alfredo Margalef Villalta, of Madrid, Spain, for the exploitation of the sponge beds in Moroccan waters between Restinga (a point on the coast near Tetuan) and of the confines of the Spanish zone at the mouth of the Moulouya River. It is impossible at present to forecast the results of the enterprise. So inadequate are the data available in relation thereto that the terms of the concession are not yet defined. The Maghzen reserves to itself the right to fix at a later date in the development of the enterprise the proportion of the profits to be paid eventually by the concessionaire into the Shereefian treasury. The exploitation must effectually commence within twelve months from the date of the grant of the concession. A previous concession was cancelled for non-compliance with this requisite.

Business Changes

MR. J. A. JENKINS, chemist and druggist, is reopening at 19 Wyndham Street, Bridgend.

MR. A. SCOTT, chemist and druggist, has opened a business in Main Street, Rutherglen.

MR. ROSENBAUM has opened a pharmacy at the corner of West Street, Trallwn, Pontypridd.

MR. A. L. PETERS, chemist and druggist, has opened a pharmacy at 5 Cross Arcade, Leeds.

MR. G. T. MADDOCK, chemist and druggist, has opened new premises in Bath Road, Melksham, Wilts.

STATON & HOSKINGS, chemists, Peterborough, have changed the name of the firm to W. H. Hoskings.

WHITAKER & Co., dye specialists, Kendal, have opened a London office at 179-185 Great Portland Street, W.1.

HIMROD MANUFACTURING Co. have secured more commodious offices at 463-5 Eleventh Street, Hoboken, New Jersey, U.S.A.

MR. C. ERNEST CLAGUE, chemist and druggist, has purchased the business of Mr. J. F. Woods, Formby, near Liverpool.

ARMOUR & Co., LTD., Queen's House, Kingsway, W.C.2, are removing to Armour House, St. Martin's-le-Grand, London, E.C.1, on February 25.

MR. H. B. DUNN, chemist and druggist, who is in business at Eglinton Toll, has opened a branch at 503 Cathcart Road, Govanhill, Glasgow.

MR. JAMES B. PHILP, chemist and druggist, has taken over the Station Pharmacy, Eskbank, recently carried on by Mr. J. R. Sutherland, chemist and druggist, Dalkeith.

THE Petroleum Department of the Board of Trade has been transferred to the offices of the Mines Department, Dean Stanley Street, Westminster, London, S.W.1. Mr. H. W. Cole has been appointed director, in succession to Mr. J. J. Wills, now Comptroller of the Companies Department.

Pharmaceutical Society of Great Britain

Conversazione at 17 Bloomsbury Square

THE PRESIDENT AND COUNCIL of the Pharmaceutical Society were the hosts at a conversazione held at 17 Bloomsbury Square, London, W.C.1, on February 12. Those of their guests who braved the Arctic rigour of the evening had no cause to regret their choice: it may be said at the outset that the treasures, new and old, of the Society's headquarters were displayed with open-handed courtesy, and that the legion of well-instructed guides were indefatigable in their efforts to make straight the path of the uninitiated. It was estimated that about 500 members and student-associates of the Society were expected during the evening, including the vice-president, the secretary, several members of the Council and the following representative London and provincial supporters:—

Mr. D. Anderson, Mr. and Mrs. Alban Atkin, Mr. C. T. Bennett, Mr. R. B. Bennett, Captain E. C. Lemmison, Mr. F. C. J. Bird, Mr. C. G. Bonner, Miss Borrowman, Mr. and Mrs. F. E. Bullen, Mr. and Mrs. F. Browne, Dr. J. H. Burn, Mr. F. H. Carr, Dr. J. Coiman-Nicoresti, Dr. Katherine Coward, Mr. H. Deane, Mr. W. B. Falding, Mr. R. Fouracre, Mr. J. E. French, Mr. and Mrs. H. Wippell Gadd, Mr. and Mrs. J. P. Gilmour, Mr. C. W. Goslin, Professor H. G. Greenish, Dr. Haas, Dr. C. H. Hampshire, Miss Dennis Hayes, Alderman Alfred Higge, Miss Hodgkinson, Miss E. S. Hooper, Mrs. Irvine, Mr. C. J. Jeppeott, Dr. W. H. Linnell, Mr. H. Lucas, Mr. J. Milner, Mr. J. Wicliffe Peck, Mr. A. J. Plowright, Mr. J. C. Shenstone, Mr. G. A. Tocher, Mr. A. T. Tyler, Mr. T. E. Wallis, Mr. W. P. Want, Mr. G. S. V. Wills, and Mr. F. Wokes.

On arrival the guests were received by the president in the examination hall, where a quartet consisting of pianoforte and strings rendered classical selections, and where later in the evening refreshments were served. Most of those present elected to make their tour in the order suggested in the handsomely printed programme, passing through twenty-one rooms of the Society's capacious house and seeing an almost bewildering variety of interesting exhibits.

AN EXTENSIVE TOUR

The Pharmacological Laboratories were first visited, and here was demonstrated the action of acetyl choline in the movements of a strip of the intestine of a rabbit, the action of digitalis on the excised auricles of the heart of a rabbit, the action of adrenalin on the vessels of the excised ear of a rabbit, and the action of pilocarpine on the surviving heart of a frog. Charts were shown recording the results of testing samples of digitalis, strophanthus and squill. The vitamin-testing department included two animal rooms and a food-preparation room. The animal rooms contained a variety of rats on diet. In the food-preparation room was a demonstration of the "line" test for vitamin D, showing a typical assay of the vitamin-D content of a sample of cod-liver oil. Charts were exhibited giving the spectrum of sunlight and the light from a mercury vapour lamp. There were also charts of absorption curves of ergosterol, pure cholesterol, and several other products. In the Biochemical Laboratory the colour test for vitamin A was demonstrated. A series of slides under the microscope showed changes in teeth brought about by vitamin-C deficiency. Charts were exhibited giving growth curves of animals having typical vitamin-A or B deficiency, and the responses obtained on administering these factors. Charts also demonstrated the effect of vitamin-E deficiency on the weight of rats during gestation. The lecture-preparation room was devoted to colloidal phenomena. Here was a demonstration of the Tyndall cone in a colloidal solution, the Brownian movement, and the dispersion of silver from silver wire by means of the electric arc to form a colloidal solution. An analytic ultra-violet lamp was on view, and the appearance of various drugs in the light could be seen.

The two halves of the Museum showed specimens of widely differing types. In the right-hand section were common adulterants of drugs, and in the left-hand sec-

tion exhibits of such curios as bezoar stones, scorpions, crabs' eyes and other remedies now relegated to the limbo of the past. Side by side with these were several recently introduced drugs, including ephedra and tuba. The next stage in the journey was an ascent to the Library, in the main portion of which were several manuscript recipe books, some of them dating from Elizabethan times. The inner and middle libraries shared between them a collection of London Pharmacopœias, flanked by the various editions of the British Pharmacopœia. The older volumes begin with the issue of the year 1627—and, in this connection, some wealthy friend of the Society might well present the Library with a copy of the first edition of 1618, and even with one of the "bad" folio which preceded it by seven months. The remainder of the fascinating display of first editions was made up of such classics as Dodoens' "Herball," Gerard's "Herball" (the Johnson edition), Parkinson's "Garden," and Culpeper's "English Physician Enlarged." Adjoining the main library was a collection of slides shown under micro-polariscopes, and giving some brilliant colour effects with starches and crystals. Here, too, were to be found the far-famed drug-room beetle and other pests of the pharmacy. On the same floor was the Pharmacognosy Research Laboratory, containing the camera lucida and other apparatus for drawing and preparing illustrations of microscopical slides, together with a Cambridge microtome, the working of which was being shown.

In the Codex room a demonstration of the epidiascope was given. On leaving the Codex room the Pharmacy Laboratory was visited; here demonstrations were given of suppository and bougie moulding by means of hand-machines, and various kinds of dispensing apparatus were on view. Experiments showing the physical phenomena of surface tension and dispersion were looked at. Adjoining the pharmacy laboratory were the chemical laboratories, where several analytical processes in food and drug analysis were carried out. These included methods of analysis of milk, lysol, olive oil, etc., nitrogen estimations and arsenic determinations. A range of fluorescent solutions was exhibited as a suggestion for "brighter carbons." The determination of P_{H} values by universal indications was demonstrated, as well as electrometric methods. In another laboratory synthesis was represented by guaiacol carbonate, saccharin and other chemicals. The use of dyes as antiseptics was shown. The determination of specific gravity, molecular weight, vapour density, refractive index, viscosity and flash point was demonstrated. Instruments for polarimetry and spectroscopy were on view. The chemical research laboratory contained various electrical apparatus, apparatus for organic analysis, vacuum distillation, and a Carius tube furnace.

The last of the twenty-one rooms to be visited was the Council Chamber, with its oil paintings covering the walls and on the Council table a wonderful array of books and documents epitomising the history of the Society. There was the first Charter of Incorporation, dating, as everyone knows, from 1843, and bearing numerous revenue stamps of high denomination: there was, too, the Supplementary Charter and, magnificently written and illuminated, the grant of arms. Other historical relics included the first minute book of the Society and an early agenda book of the Council, the Society's original by-laws, the first minute book of the British Pharmaceutical Conference Committee (dating from 1863), several old prints of Bloomsbury Square and numerous holograph signatures. It was abundantly clear that the Pharmaceutical Society "can do it when it likes," and the Council is to be congratulated on its revival of a useful feature of the Society's activities.

Branch Meetings

Bath.—The adjourned annual meeting of the Bath and District Branch was held on January 23, when the following officers were elected:—*President*, Mr. J. G. H. Hawes; *Vice-President*, Mr. T. Rees; *Treasurer*, Mr. R. H. Moore; *Secretary*, Mr. W. Cooper; *Committee*, Miss Ozzard, Messrs. Aspell, Evans, Jenkin, Hallett, Loveless, E. Williams, D. J. Williams, Wilson, Doble, Higgins, W. H. Hallett, Fuller, Roscow.

Legal Reports

Unlawfully Procuring Heroin Elixir.—At Wallasey, on February 13, Walter Henry Rankin (47), New Brighton, was charged with unlawfully procuring heroin elixir, and with obtaining sums of money by false pretences. It was stated for the prosecution that Rankin occasionally went into a chemist's shop with prescriptions which he marked "W. H. Rankin, M.D." He had been in the shop of Mrs. Milne, Seabank, several times, and gave prescriptions of different drugs. Mrs. Milne told him that it was a "dangerous" drug, and that she must have a prescription for it giving the name of the person to whom it was to be given. She gave him a slip of paper, on which he wrote that the drug was for a Miss Wallington, and spelt heroin wrongly. Mrs. Milne became suspicious, and rang up the police. The accused was sentenced to twelve months' hard labour on the first charge, and to one day's imprisonment on the other charges.

Spirits Act, 1880.—At Donegal District Court, recently, Mr. Robert S. Chapman, Ph.C., was summoned for having sold tincture of buchu, spirit of chloroform, tincture of iron, and ammoniated tincture of quinine, in the preparation of which methylated spirits had been used, contrary to the provisions of Section 130 of the Spirits Act, 1880. Mr. W. T. Macmenamin, State Solicitor, appeared for the prosecution, and Mr. R. H. Reid, solicitor, represented the defendant. Mr. Reid, for the defence, complained that Mr. Chapman was treated abominably. The offences were alleged to have been committed on August 4 last, and the summonses were not served until January 21. Mr. John Kerns, of the State Chemists' Department, gave evidence that the samples contained methylated spirits, and that they could be taken as medicine. The defendant, in evidence, said he had been in business for forty-four years in Donegal; samples had been taken ten times, but he had never been prosecuted previously. He complained that on the last occasion he was not given a sealed sample. Mr. Reid also criticised the manner in which the samples were sent for analysis. They were taken to Dublin as an ordinary Customs and Excise parcel. There was no evidence where they were posted, and what was to prevent anyone pulling off the corks and putting in arsenic as well as methylated spirits? The justice said that there was a legal doubt in his mind, but he had no moral doubt. The samples might be tossed about at some railway station or post office, or the bottles might have fallen and begun to leak, and some postal official, fearing that he would get into trouble, might have put methylated spirits into them. Legally the cases were not proved, and he would dismiss them. Mr. Reid's application for costs was refused.

New Companies

P.C. means Private Company and R.O. Registered Office.

COWSLEY PHARMACY, LTD. (P.C.).—Capital £100. Objects: To carry on the business indicated by the title. The permanent directors are Mrs. Lucy Mellors, Glegg, Clinton Street, Derby, and W. T. Mellors.

SCOTT'S CASH CHEMISTS (LEIGH-ON-SEA), LTD. (P.C.).—Capital £300. Objects: To carry on the business of wholesale and retail chemists, druggists and perfumers, etc. The directors are J. Scott and Mrs. M. Scott. R.O.: 1075 London Road, Leigh-on-Sea.

KING BULL, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers, importers and exporters of medicinal, chemical and other preparations, etc. The permanent governing directors are: E. Maresca and O. S. Maresca. R.O.: 123d Victoria Street, S.W.1.

CALCEITES, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers and sellers of medicinal preparations, chemists, druggists, etc. The directors are: H. S. Newman, Mrs. E. A. Newman and G. D. Green. R.O.: 1 Pemberton Row, Gough Square, London, E.C.4.

GEARY (CHEMISTS), LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a chemist carried on by J. Bradley at 99 Conduit Street, Leicester. The directors are J. W. Hill (governing director and chairman), Mrs. A. Hill and J. Bradley. R.O.: 99 Conduit Street, Leicester.

J. R. STEWART & Co., LTD. (P.C.).—Capital £1,000. Objects: To carry on business as chemists, druggists, druggists' merchants, manufacturing and dispensing chemists, etc. The permanent directors are: J. R. Stewart and Gladys Jennings. R.O.: 5 Clock Parade, London Road, Enfield.

KIRKPATRICK & LANDER, LTD. (P.C.).—Registered in Edinburgh on January 30. Capital £10,000. Objects: To carry on the business of chemical merchants, dry-salters, oil and colourmen, etc. The directors are: J. B. Lander, J. M. Watson and W. Nelson. R.O.: 179 West George Street, Glasgow.

NATURAL PRODUCTS, LTD. (P.C.).—Capital £6,000. Objects: To acquire the business carried on by W. G. Asquith at 40 Furnival Street, E.C., as the Natural Products Company, and to carry on the business of manufacturers of and dealers in medicinal salts, drugs, chemicals, secret preparations, patent medicines, etc. The directors are: A. Laidlaw and W. G. Asquith. R.O.: 40 Furnival Street, E.C.

STANIFORM, LTD. (P.C.).—Capital £5,000. Objects: To acquire a certain patent, No. 294287, for an invention relating to a pharmaceutical preparation known as "Staniform," and also to acquire the registered trade mark "Staniform," Nos. 479511 and 479512, and to adopt an agreement with Whiffen & Sons, Ltd. The directors are: W. G. Whiffen, S. W. Whiffen and C. V. Stephens. R.O.: Carnwath Road, Fulham.

BISODOL, LTD. (P.C.).—Capital £1,000. Objects: To acquire the sole right to use the name of Bisodol as a trade mark in connection with proprietary medicines or preparations, and to carry on business as pharmaceutical, manufacturing and general chemists and druggists, manufacturers of and dealers in boxes, packings and cases, wholly or partly of card, wood, metal or other material, etc. Solicitors: McKenna & Co., 31-34 Basinghall Street, London, E.C.2.

THE UNITED CORK INDUSTRIES, LTD. was registered as a "public" company on February 9, with a nominal capital of £3,000,000 in 2,857,000 shares of £1 each and 2,860,000 shares of 1s. each. The objects are to carry on the business of cork growers, importers, manufacturers and sellers of, agents for the sale of, and dealers in, cork and cork goods; to acquire, develop and turn to account and deal in lands, concessions, estates, plantations, and agricultural plantation, forest and trading rights, etc. Solicitors: Herbert Smith & Co., 62 London Wall, London, E.C.2.

SYNOT, LTD. (P.C.).—Capital £2,500. Objects: To acquire the business of manufacturers and vendors of a preparation called "Synot," lately carried on by John Scott & Co. (London), Ltd., at 49 Old Bond Street, and 40 Gerrard Street, W., including the trade mark "Synot," No. 471,484, Class 3, and to carry on the business of manufacturing and retail chemists, manufacturers of and dealers in chemicals and chemical preparations, and toilet preparations; photographers, etc. The permanent directors are: Elise Battye and J. H. Nelson. Solicitors: Nicholson, Freeland & Shepherd, 46 Queen Anne's Gate, Westminster, S.W.

BELL WILSON, LTD. (P.C.).—Capital £400. Objects: To acquire (1) the benefit of a contract dated January 10, 1929, between R. Jones and A. B. Wilson for the sale and purchase of (*inter alia*) the business of a chemist and druggist recently carried on at 112 Bramley Road, Notting Hill, W., by the late E. R. Jones, and the stock then in or upon the said premises; and (2) the benefit of an agreement for lease dated December 25, 1928, between Rosannah Humphries and A. B. Wilson, whereby the said premises were let to the last-named for seven years from the last-mentioned date at a yearly rent of £52. The permanent directors are: A. B. Wilson and Mrs. Robinette Wilson. A. B. Wilson is managing director. R.O.: 112 Bramley Road, Notting Hill, W.11.

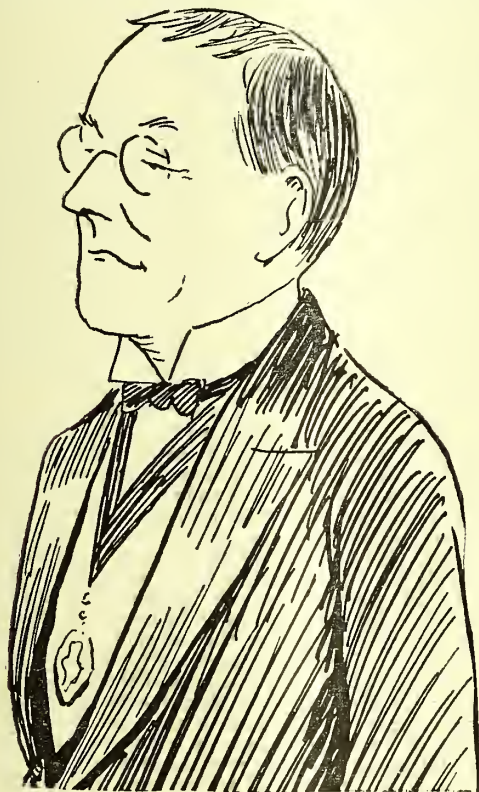
Festivities

Novelty Night at Bolton

THE student-associates of the Bolton and District Branch of the Pharmaceutical Society held a "novelty night" in aid of the Benevolent Fund at Seymour Read's Café on January 30, when sixty-five people attended. The first two hours were devoted to items by the students, which included a one-act play and a twenty-minutes' burlesque on a chemist's work. Supper was then served, during which Mr. J. Brindle spoke. After the supper dancing was indulged in. Apologies for absence were received from Mr. E. N. Fox (president of the Branch), Mrs. Fox and Mr. F. Brindle (vice-president). A cheque for £5 5s. has been forwarded to the fund. Programmes containing humorous sketches caused much merriment.

Nottingham Annual Dinner

THE annual dinner of the Nottingham and District Branch of the Pharmaceutical Society was held on February 7, when Mr. Herbert Skinner, president of the Society, who served his apprenticeship in Nottingham, was the guest of the evening. Responding to the toast of "The Pharmaceutical Society," Mr. Skinner paid a high tribute to Sir Jesse Boot, saying that he did not think Sir Jesse had received sufficient credit for very



MR. HERBERT SKINNER

noble work in the profession. The toast had been proposed by Mr. E. S. Waring, who said that all chemists should be very grateful for the action of the Society in connection with the inauguration of the National Health Insurance scheme in 1911. Alluding to the poison laws, which he regarded as chaotic, Mr. Waring thought it advisable that people who sat in London and made regulations should submit them to the Society's Council to obtain the opinions of chemists. Professor H. S. Holden (Nottingham University College), who proposed the toast of "The Nottingham and District Branch," discussed the question of education. Mr. F. C. Highfield (president), in reply, was of opinion that the chemist had never had a satisfactory deal under the Insurance system. A little should be deducted from the

allotments to approved societies and transferred to the drug fund. Mr. A. O. Bentley proposed "The Visitors"; Mr. T. Marns (Ealing) and Mr. T. C. Thorpe (Nottingham) replied. Mr. A. E. Beilby proposed "The



PROFESSOR H. S. HOLDEN

MR. F. C. HIGHFIELD

Ladies," Mrs. Highfield responding. An excellent musical programme was rendered.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, February 18

British Industries Fair, White City, London, W.12 (and till March 1 inclusive).

Tuesday, February 19

Retail Pharmacists' Union, Ipswich and District Branch, The Institute, Tower Street, at 8 p.m. General meeting.

North London Pharmaceutical Association, North Library, Manor Gardens, London, N.7. Business meeting.

South-West London Chemists' Association, Lecture Theatre, Westminster College of Pharmacy, 190 Clapham Road, London, S.W.9, at 8.30 p.m. Address by Mr. H. N. Linstead on "The Work of the International Pharmaceutical Federation."

Wednesday, February 20

National Association of Women Pharmacists, Plane Tree Restaurant, Great Russell Street, London, W.C.1, at 7.30 p.m. Informal social evening.

Birmingham Pharmaceutical Association, Ridgway's Café, 100 Corporation Street, at 7.15 p.m. Annual whist drive. Tickets 3s. each.

Royal Society of Arts, John Street, Adelphi, London, W.C.2, at 8 p.m. Mr. James Norton on "History of the Development of Fast Dyeing and Dyes."

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 8 p.m. Third evening meeting.

Pharmaceutical Society of Great Britain, Manchester, Salford and District Branch, Clydesdale Club, at 8.30 p.m. Whist drive. Tickets 2s. each.

Thursday, February 21

South-East London Chemists' Association, Restaurant Frascati, 32 Oxford Street, London, W. Annual dinner and dance. Tickets 12s. 6d. each.

North-East London District Pharmaceutical Association, St. John's Institute, Urswick Road, Hackney, at 3 p.m. Address by Mr. T. Marns.

Friday, February 22

Westminster College Dance, Avondale Lower Hall, from 7.30 p.m. till 1 a.m. Tickets 2s. 6d. each.

Gazette

Bankruptcy Acts

ADJUDICATION

BARTON, A. T., 38 Loudon Grove, Liverpool, previously at 10 and 11 Tiber Street, Liverpool, chemist.

The Beginner in Business

THE primary reason for running a retail shop is to earn a living by making a profit on the sale of goods. It may seem absurd to start with such an obvious statement, but it is necessary, because so many traders lose sight of this fact in their anxiety to defeat their competitors by cutting their prices below a profitable margin. Profit is made by purchasing goods from the manufacturers or suppliers at wholesale prices and selling them again to customers at a higher or retail price, the difference between the two figures constituting what is known as the gross profit. This should be sufficient to cover three items—first, working expenses (rent, rates, taxes, lighting, employees' wages, repairs, advertising, etc.); secondly, a living wage for the proprietor; and a third portion, or net profit, part of which should be put back into the business to develop it, and the rest invested as savings. It may be noted that when buying a business it should be ascertained whether the vendor has included his own salary in the net profit; if so, the latter may be very small or non-existent. Profit in a retail business is always reckoned on sales; for example, if articles costing 8s. per dozen are sold at 1s. each, there is fourpence profit on each sale, or one-third, or 33½ per cent. In a chemist's shop the average to be aimed at is one-third on the total turnover; and as this rate cannot be maintained on all lines, some have to bear a larger profit than others. For example, proprietaries selling at 1s. 3d. each often cost 12s. per dozen, yielding only 20 per cent.; therefore, sundries will have to make 40 per cent. or more; combs costing 7s. per dozen would sell at 1s. each., and drugs should bear 50 per cent.

TWO WAYS OF COMMENCING

There are two ways of acquiring a business, to buy a going concern or to open new premises. Of the two, it is generally accepted that for the small man it is better to buy one, because there must be some amount of custom already—even if it has been neglected, it can be improved with care and energy—the competition from other shops is likely to be established and can be ascertained, the stock and fixtures are there and should be suitable for the locality, and the returns and profits for the past years can be inspected. If the purchaser is in any doubt, he can have these facts investigated by a valuer or accountant, a procedure no genuine vendor would object to, and it might well repay the expense of the fee. To open a business usually means acquiring the premises in these days; then the purchaser has to put in the fixtures and stock (*C. & D.*, 1924, I, 601), to secure custom, to have enough left to run on for the first twelve months or so while he is doing this, and to find out what classes of goods sell in the district. For a company with many shops, or a man who opens a branch, it is not so difficult to start fresh premises; but for anyone entirely single-handed and with a small capital a new shop is always somewhat of a gamble unless a very favourable spot is known in which to start. The question of the selection of the position of the shop, points about the interior, the lease, capital required, etc., were all dealt with in an article entitled "Purchasing a Business" (*C. & D.*, 1926, II, 446), and the advice given there will hold good in most cases.

When settled in, the shop should be kept clean and tidy, the goods well displayed, and (if there are seasonable lines) at the right time of the year; all goods should be priced when they are put away, cost price in private mark and selling price in plain figures, the new stock at the back and the old stock at the front of the shelves. Windows should be dressed at regular intervals, usually once a fortnight or every three weeks. If there is more than one window, then they can be changed in alternate weeks; if there is only one, it can be divided into sections, each of which becomes a unit either related to the others or independent, according to circumstances. All goods shown should be priced. The order book for goods out of stock should be gone through at intervals, and when goods are ordered, the date, the name of the firm ordered from, and any special prices should be written against the line, which is crossed through when the goods

are received. The chemist should never hesitate to offer to order a line specially for a customer if not in stock, but, unless the customer is well known, it is better to obtain a deposit first. If unable to afford a cash register, one can have a till which shows the last coin put in, or, failing this, leave it out until the customer has taken the change and left the counter; this will save many disputes.

HOW TO ADVERTISE

The most effective advertising for small shops is in the form of one- or two-inch spaces in the local papers, quarter or half pages in the various parish and church magazines, etc., appearing consistently all the year round with the matter changed regularly according to the season. House-to-house bill delivery is expensive, often not done properly, and seldom read; it stands a better chance of catching the eye when sent through the post in the form of a letter, but to bill a district in this way thoroughly means a large outlay, and to be effective it must be followed up at intervals. Circulars wrapped up in customers' parcels often bring results, as do also samples which are frequently provided by manufacturers when taking a window-display parcel. It has been stated that 5 per cent. of the turnover should be devoted to advertising, but this is decided more by the style of the business and the locality. Shop and window lighting should be good; a dull front will never attract anyone. Stocktaking should be done on entering the premises; it will have to be done to estimate the price of the business, and afterwards annually to make up the balance sheet. It is a tiresome job, and can only be done properly by putting down each item, entering the cost price, and adding the totals; cost price here means the cost at the moment, not necessarily what was originally paid. The work can be lightened to a certain extent by taring the drawers and shop rounds when they are empty, and marking the tare on each, when they only have to be weighed intact and the tare deducted; small packed goods, chip boxes, bottles, etc., can be counted by the boy, or anyone, and a slip with the number on it stuck on the shelf or drawer. Professional valuers simply go round and call out so many at 1s., at 2s. 6d., etc., without entering the items; but it is so useful to have the stock sheets as a reference to show what lines were in stock last year, and how many, that it is advisable to make a complete and tabulated list of each kind of stock at first. Labels and stationery are not usually taken into stock, as they are useless to a successor.

Books are required, not only to keep a true account of the business done, but also to satisfy the income-tax authorities. When the goods come in and are put away they are ticked off on the invoice, the prices charged and the totals checked. The invoices at the end of the month are entered in the journal, and from there checked against the monthly statements which are posted to the credit side of the bought ledger, a separate account being opened for each firm dealt with. The cash book has on the debit side the daily takings and other cash received, and on the credit side amounts paid to petty cash, cheques paid out for goods, etc.; these latter are afterwards posted to the debit side of the bought ledger, together with discounts, and should balance the amount for goods received. The cash takings are paid into the bank at regular intervals, and a certain sum drawn out and paid into petty cash, for which a separate cash box should be kept, and out of which small payments, such as wages, cleaning, stamps, etc., are paid. These sums are entered into the petty cash book. When first commencing, a certain sum is put into the till for change, and when cashing up at night must be put back into the till before adding up the day's takings; this amount is reckoned in with the petty cash. For the bank there is the pay-in book, the pass book and the cheque book, and finally there is the private ledger, in which separate accounts are opened for capital account, stock, takings, rent, insurance, rates, taxes, gas, water, postage, fares, advertising, carriage, salaries, wages, etc., and from this ledger the profit-and-loss account and the final balance sheet are made out. If credit has to be given to customers, a day book will be needed to enter daily sales, and these are posted to the sales ledger, in which a separate account is opened for each customer, and from which the bills are made out.—BUSIMAN (12/11).

Two Manuscript Recipe Books

By Antiquus

THE two manuscript recipe books from which I propose to make sundry extracts are quarto volumes of about 400 and 200 pages, bound respectively in the typical calf and vellum coverings of the late seventeenth and early eighteenth century, the range of date being confirmed by the styles of handwriting, of which there are several, all, however, agreeing in being almost without exception very legible, and evidently the script of educated people. The larger book bears the name "Anne Sheldon," the smaller one "W. Acton." Apart from medical, veterinary and domestic recipes, the larger book has been used as a diary, a cash book and a general inventory for many years, with such interesting items as the following:—

1718: May 1.—Paid Mr. Lacy ye apothecary ...	£01 15 0
1726: May.—Mr. Lacy my apothecary received of Mrs. Wright by my ordre for a Doctor's Fee for Philly ...	£01 01 00
1719: April 27.—An account from this day of all money payed for my house and by my order to Mr. Daniell Arthur in Trinity laine, who is now my Cashire for the little money I have by me	
1731: July 1.—(P)ayed down for my maid Winifred Ireland for a Tufity gound for the making ...	£33 15 0 £03 0 0

The recipes for domestic use are doubtless of the type which were in common use in the palmy days of the still-room, where the sweets of the house were made, apart from the cooking in the kitchen. I cannot do more than quote a few headings:—"To Preserve Barberries," "To Make Paist of Oringes," "Mrs. Wilks's Receipt to Make Raisin Wine," "To Make Sack Whee," "A Sack Popet," "To Make Currant Shrub," "To Make Apples and Pares Red," "To Souse Hogs' Feet and Ears," "To Make Green Pease," "Soope for Fasting Days," "To Make an hamlet," and "To Make Syrup of Malt."

The family recipes comprise a wide range, from domestic medicines, veterinary medicines, to general instructions for preparing many forms of domestic needs, such as waterproofing cloth, preserving food, and general utility methods. Many recipes are too long to quote here, but a few are given, chiefly on account of their interest or curiosity, the original spelling being retained.

To Make Syrup of Snails: Take a pd of snails, prick them through the shells. Sprinkle them with Sugar, hang them in a rage (rag), sett something under ym to kach what drops from them. Sweeten your snail water and take a large glassfull every night when you goe to bed.

The gargle and pills for ye tooth aike: Take of Honey of Roses one ounce, oximel of Sootles too ounces, Scabious Water a pint, Salt Prunella a drachm and a half, powder of the roots of Pellitory of Spain too drachms.

The Ston Water: Take Pellitory of the wall, wild time, Sasafrass, Radishes sliced, Egremony, parsley tops and roots of assparagress of each three handfulls, put this herbs in a gallon of millk to infuse all night; the next day still off fore bottles with a gentle fier, stirring the herbes once or twice to keep them from burning.

A Very Strengthening Remedy: Take red Corall, white Corall, Spodium and white Amber of each a dram, perle too diams, Gome Dragon too pennyworth steeped in Planting Water too a Jelley, mix all this together with a quarter of a pound or more of whitt sugar candy maid in fine powder. It must be maid of a consistence or thicknes of Treakell or a thin Bollus.

Dr. Green's Rect for the Jandiers, black or yellow: Take earth worms, wash them in four or five waters very clean, stroke them through your fingers everytime with all the earth out, then stamp them very small, put some stail ale unto them, then take some Saffron, drye it, and make it into powder, then put it into the ale, mix it well together, then strain it out very hard.

An Approved Method for Preventing the Fly in Turnips: Steep the seed in Chamber Lye six hours, then strain the liquor off and put as much Flower of Brimstone as will make the seed so dry as to make them separate, then sow them in the usual manner.

The green Ointment: Fluelen, selfheale, adder's Tongue, Southernwood, Whitwort, of each a handfull; Sage Borrage, Rue, Wormwood, Lavender, Plantan, Hysop Rosemary, Bay, Nightshade of each a handfull. Chop ye herbs and boil them in Hogs Lard till it looks very green, yn strain itt.

Dr. Walgrave's Rect. for the Scurvy: Take two quarts of skim milk and turn it with ye Juice of a dozen Sevil oranges, three handfulls of garden scurvy Grass, two handfulls of Water Cresses, 12 handfulls of Brook Lime. Pick it and wash it and clean them dry in a cloath, pound them in a stone mortar and then stir it all together and boyl it a quarter of an hour until it comes to be of a pease colour. Then take half a pint in the morning fasting and as much att four o'clock in ye after noon, two bottles will cure any scurvy.

A Rect. how to make ye Black Salve, otherwise Unquentum Basilicon: Take a pound of Mutton Suet, two pound of Rosin, two pound of Stone pitch, two pound of Wax and two pints of Oyle, melt ye suet by its self and so put it into ye rest and boyle it untill it cometh to be of an indifferent Body. This Salve doeth draw and likewise Heal.

A Remedy against the Bite of a Mad Dog: Take the leaves of Rue picked from the Stalks and bruised, 6 ounces of garlick picked from the stalk and bruised Venice Treacle or Mithridate and the scrapings of Pewter of each four ounces, boyl all these over a slow fire in two quarts of strong ale till one pint is consumed: keep it in a bottle well stopd, give nine spoonfuls to a man or woman warm seven mornings together fasting, and to a dog six spoonfuls.

Lung's Water: Take a gallon of Milk, the Lungs of a Calf while warm cut in pieces a peck of Garden Snails, wash them, beat in a mortar till the Snails are broken, 12 whites of Eggs, 4 nutmegs in pieces; distill it in a cold still and is excellent in a hettick Feaver or Consumption sweeten it with Sugar Candy or Loaf Sugar make it your constant drink for a month or two.

Truly, these old books furnish interesting reading and afford more than an idea as to the general usage of various drugs and chemicals in vogue two centuries ago: such volumes are at all times worth securing.

Wills

MR. GEORGE ROE, 317 Lillie Road, Fulham, S.W., chemist and druggist, who died on January 7, left estate of the gross value of £3,800 13s. 1d., with net personalty £2,204 17s. 3d.

MR. FRANCIS BAGSHAW FLETCHER, Glenavon, Granville Park, Aughton Park, near Ormskirk, Lancs., retired chemist and druggist, who died on November 20 last, aged eighty-six years, left estate of the gross value of £21,405 6s. 4d., with net personalty £21,345 14s. 4d.

MR. JOHN SIMON, 31 Hough Green, Chester, formerly of 4 Eastgate Row, Chester, retired chemist and druggist, who died on November 21 last, aged fifty-eight years, left estate of the gross value of £8,820 12s., with net personalty £2,579 5s. 10d.

MR. STEPHEN BRIGGS BATELY, of 682 High Road, Tottenham, N., chemist and druggist, who died on October 18 last, aged 59 years, left estate of the gross value of £5,661 8s. 4d., with net personalty £4,268 11s. 4d.

MR. ROBERT MADGSHON, of 1 Croft Terrace, Jarrow, Durham, chemist, who died on October 10 last, aged ninety-one years, and whose will is proved by Minnie Laurence Curle Madgshon, of 17 Croft Terrace, and Catherine Rebecca Curle Madgshon, daughters, and John Alexandra Livingston, of 10 Grange Road West, Jarrow, has left £14,124 5s. 7d., with net personalty £13,950 19s. 4d.

MR. WILLIAM NASSAU ALLEN, Caerneath, Belmont Terrace, North Circular Road, Dublin, pharmaceutical chemist, a past-president of the Pharmaceutical Society of Ireland, who died on December 13 last, left personal property in England valued at £7,771 3s. 6d. Probate of the will has been granted to his widow, Mrs. Emma Allen, of the same address, to whom he left all his property absolutely.

Notes on Books

Literature and Narcotics

When man put the golden age behind him and went out to fight for his food and to win a mate, he soon set to work to find means to allay his fears and to reinforce his courage. The varied devices which were supplied through his experiences and by the more wily and ingenious specimens of the race form an interesting study for the psychologist as well as the anthropologist. The nature of these has changed from time to time according to the degree of sophistication of the period and of the people. Divinations, oracles, spells, magical practices of every kind, astrological portents, amulets, charms, philtres, potions, strange and illegitimate foods and drinks, wonderful drugs, and a thousand other things—the fruit of the most inventive and most unscrupulous minds—have all played a part. Professors of psychiatry are alive to the need of a thorough study of the matter, as may be gathered from the books dealing with the subject. Quite recently there has been written one which falls somewhat outside the range of ordinary scientific treatises: it is by Dr. Jeannette Marks, and is entitled "Genius and Disaster" (John Hamilton, 7s. 6d.). The range of this work is much less extensive than the title implies; it deals only with

still further reduction is called for, because laudanum of that date was not made with rectified but proof spirit, a fact with which De Quincey was acquainted. Further, her attempt to estimate the quantity of morphine requires amendment, as very little of the opium used at that time contained 10 per cent. of morphine, and much of the tincture was made by boiling opium refuse in water in order, not as De Quincey naively suggests, to increase its strength, but to make use of material which was unsaleable in the shops. Dr. Marks's essay is by no means so dispassionate as the subject seems to us to require; but there is evidence that she does not wish to make the shadows preternaturally deep. The relation between literature and narcotics is only a casual one. This is expressed by her thus:—"Do not [let us] assert, as if there were some demoniacal logic in it, that Coleridge and De Quincey were geniuses and ate opium. Chaucer, Milton, Wordsworth, Blake, George Eliot and Robert Browning were geniuses, and did not take opium. That sanity, balance of thought and form in expression must ever be part of the Anglo-Saxon ideal for poetry and prose admits of no discussion."

New Books

Pharmaceutical Society of Great Britain: Pharmacological Laboratories Third Annual Report, 1928. 8 in. by 5½ in. Pp. 19. The Society, 17 Bloomsbury Square, London, W.C.1. [The greater part of this summary of work done in the Pharmaceutical Society's Pharmacological Laboratories during the past year is devoted to research work in the pharmacological and the nutrition departments. This is in many instances of considerable scientific interest, and those who desire to extend their knowledge of such work will find references to the more extended form in which the records have appeared. In addition, statistics of the routine testing carried out during the period covered by the report are given.]

A SMALL GROUP OF LITERARY MEN, all of whom it is customary to account as geniuses. For the purposes of Dr. Marks's inquiry it must be conceded that it would have been difficult to have found a better field than literature for estimating the influence of drugs on the products of genius, and it was wise to select such well-known examples as Poe, De Quincey, Coleridge, Rossetti, James Thomson, Francis Thompson, and Swinburne. Dr. Marks is, we understand, a poet as well as a scientist. The poetry of James Thomson, Francis Thompson and Poe is subjected by her to a poetic scrutiny with the aim of ascertaining, if possible, those features which may be referred to the influence of opium and alcohol. Whether the admirers of these well-known poets will thank her for her analysis may be doubtful, but they will agree with her when she says:—"It is the privilege of these studies to refrain from praise of mean and petty virtues and to study the sanative 'faults of the great hearted.'" The opportunities which the psychiatrist who is also a judge of poetic diction has for undertaking the analysis of literature to ascertain if its structure exhibits manifestations of cerebral abnormality confer upon her the right to indulge in a certain amount of dogmatism. Dr. Marks says:—"The record of opium havoc is to be read by everyone who wishes, in the writing of to-day. But this, unfortunately, only the alienist sees, and sees clearly, where the average reader finds something he feels is different, and calls it 'charming' or 'thrilling.' The average reader is not aware of the fractured thought. But the literary alienist knows just what lies behind the cracks in a particular story. The narcotic mentality writes itself down as alcohol or opium. There is no mistaking it."

THERE ARE TWO SMALL MATTERS

upon which we think the author is not so well informed as she should be. In this country, in which the book is published, we are sure it is not true that "the toiling patent medicine manufacturer . . . consumes the larger proportion of all opium produced." The other is the question as to how much laudanum De Quincey consumed per diem when he was taking his "eight thousand drops." Dr. Marks says he took from "a pint to a pint and a half." Without making any adjustment for the differences between American and English measures, we have no hesitation in saying these are exaggerated quantities. De Quincey made an attempt to ascertain how much opium his ration of laudanum represented, and in doing so reckoned drops as equivalent to minims; in this he was wrong. It may be taken that twenty-five drops are equivalent to thirteen minims of laudanum; De Quincey's ration would thus be approximately eight to nine ounces. Consequent upon this it follows that Dr. Marks's estimate of the quantity of alcohol imbibed by De Quincey needs to be considerably reduced; and a

Stewart, A. W.—*Recent Advances in Organic Chemistry*. 8½ in. by 5½ in. Volume I, pp. xiv + 387. Volume II, pp. xiv + 382. 21s. each volume. Longmans, Green & Co., Ltd., 39 Paternoster Row, London, E.C.4. [In this edition—the fifth—the work which has hitherto been published in a single volume is issued in two volumes owing to the space which has had to be devoted to the newer lines of research and completion of recent work in the older branches. Volume I contains material for third-year degree students, and forms an introduction to the second volume. A series of themes is treated, forming a basis for the understanding of some of the newer investigations. This volume deals with five main themes:—Reagents and their application; naturally occurring substances derived from plants and animals; new synthetic compounds; certain theories which have been suggested from time to time to account for various phenomena; historical development. Chapter I is of a historical character and contains the main currents in organic chemistry and a survey of the lines of development of the science during the latter half of the nineteenth century from the time of Kekulé. Volume II is intended for honours students and post-graduate workers, and contains an account of the developments in some of the newer fields of organic chemistry. Included are new chapters on the carbohydrates, sesquiterpenes, and organo-alkali derivatives, and on the application of electronics to organic chemistry. Chapter V, on alkaloids, embodies some of the recent work in this direction. Other chapters deal with the anthocyanins, rubber and the chlorophyll problem. A chart illustrating the decomposition of chlorophyll is given at the end of the volume. Considerably more than half of this volume is completely new, and it will serve as a guide for the research student in the fields with which it deals. A survey of the progress in organic chemistry in the twentieth century is given in Chapter I, and the lines upon which work is proceeding at the present time are indicated. A name index and subject index are provided in each volume. The two volumes give within reasonable compass a conspectus of the main problems of organic chemistry, and each volume has a unity of its own.]

Trade Notes

RADIOMITE, LTD., Sunray Works, Burlington Lane, London, W.4, invite inquiries regarding Radiomite insoles and pads.

RISIN.—The agent in this country for Risin, an ointment for use against nasal catarrh, is Mr. W. Bredt, 41 Great Tower Street, London, E.C.3.

NOVOPINE sparkling pine bath tablets may be obtained from Natural Products, Ltd., 40 Fumival Street, London, E.C.4, or through the usual wholesale channels.

FREE PENCILS.—Philip Josephs & Sons, Ltd., shop-fitters, 90-92 St. John Street, London, E.C., invite chemists to write for a supply of British-made pencils.

MCCASKEY REGISTER CO., Watford, ask chemists to use the coupon printed on another page in this issue when making inquiries regarding the McCaskey One Writing system.

KHASANA TOILET PRODUCTS.—Khasana, Ltd., 131 Bunhill Row, London, E.C.1, are making a special offer in connection with their lip-sticks and cream rouge. These essentials to the enhancement of feminine beauty are attractively presented, and are sold at a reasonable price. Further particulars are given in the advertisement pages.

THREE SAMPLES OF SOAP.—Cussons, Sons & Co., Ltd., Kersal Vale Works, Manchester, illustrate in this issue a box containing full-sized tablets of three of their most popular toilet soaps, and offer to send these free of charge to any chemist in business in Great Britain who writes for them prior to February 23. There is no obligation attached to the gift.

ANÆSTHETIC ETHER.—Thomas Tyrer & Co., Ltd., Stirling Chemical Works, London, E.15, inform us that they are now able to supply Sterling brand ether made from rectified spirit at the same price hitherto charged for pure ether made from methylated spirit. The company's various grades of technical ethers will still be made as before from methylated spirit, and will remain unchanged in price.

GLYCOPON is a name for a series of compounds of considerable interest to the drug trade. Elsewhere in this issue The Old Strand Chemical & Drug Co., Ltd., 41 Great Tower Street, London, E.C.3, who are the sole concessionaires for these products in this country, give some particulars relating to Glycopon "S," a substitute for alcohol. Samples and details relating to the other Glycopons will be sent on application.

PRICE REDUCTIONS.—Coty (England), Ltd., Coty House, 3 Stratford Place, London, W.1, inform us that as the result of the stabilisation of the franc they have reduced the prices of their leading specialties. The new wholesale prices came into force on February 11, and the retail prices become effective on April 15. Any chemist who has not received particulars of these alterations should communicate with the company.

VALVES ON OXYGEN CYLINDERS.—Too much importance cannot be attached to the ease with which the valve on an oxygen cylinder works, as stiffness or jamming may prove a serious matter for the patient. For delicate control and hard wear the Pinson valve of The Manchester Machine & Instrument Manufacturing Co., Ltd., 2 Booth Street, Manchester, will be found in every way satisfactory. The apparatus screws into the main valve in the usual way.

P.A.T.A. YEAR BOOK.—We have received a copy of the "Protected List and Year-Book, 1929" (pp. vii+312) of the Proprietary Articles Trade Association. The volume includes, among other matters, the customary lists of officers, manufacturers and local secretaries, the financial statement for 1927, and the thirty-second annual report. The book also includes particulars relating to the Chemists' Defence Association, Ltd., the Chemists' Mutual Insurance Co., Ltd., and the Retail Pharmacists' Union.

A BOOKLET, unusual alike in its contents and style of production, has been published by The British Aluminium Co., Ltd., Adelaide House, King William

Street, London, E.C.4. The embossed cover is apparently coated with aluminium foil, and the title, "The Lightest of the Common Metals," is in blue ink. Following some notes on the metal itself there are between forty and fifty photogravure illustrations showing for what a wide range of purposes the metal and its alloys may be employed.

BRITISH INDUSTRIES FAIR.—In connection with this exhibition, which opens at the White City, Shepherd's Bush, London, W., on February 18, attention is called to the special coloured supplement published in this issue, wherein will be found announcements by the following manufacturers:—R. Addis & Son; British Celanese, Ltd.; The British Drug Houses, Ltd.; The Butywave Co.; Corfield, Ltd.; The Corrugated Packing Materials Co., Ltd.; Cromessol Co.; Enolin (1926), Ltd.; Freers Manufacturing Co., Ltd.; J. G. Ingram & Son, Ltd.; Ernest Jackson & Co., Ltd.; Johnson & Sons, Manufacturing Chemists, Ltd.; Essencleur Products, Ltd.; May & Baker, Ltd.; J. Pillischer, Ltd.; W. Sessions, Ltd.; Solport Brothers, Ltd.; Thomas Tyrer & Co., Ltd.; Viscose Development Co., Ltd.; T. Ward & Sons, Ltd.; Whiffen & Sons, Ltd.; Williamson Brothers, Ltd.

P. D.'s NEW PRICE LIST.—Parke, Davis & Co., manufacturing chemists, Beak Street, Regent Street, London, W.1, have issued a new edition of their price list (1929-31). Apart from the addition of many new products, the list differs from the old one in several ways. It is, for instance, a little deeper in page size; there is a new, useful marginal index on page 3; and the veterinary preparations have been collected in one section instead of being scattered throughout the list as hitherto. Suppositories, syrups and oulets are now listed in the "specialities" section instead of being in their own sections. The prices actually quoted in this list are equivalent to retail prices protected by the P.A.T.A. There are, however, certain exceptions in which the minimum retail prices are higher than the list prices; these have, for convenience of reference, been repeated in a complete section on pages 175-176. Any chemist who has not already received a copy of the list can obtain one on request.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1929, p. 333.

(From "The Trade-marks Journal," January 30, 1929.)

"**CAPOKIT**"; for chemicals (2) and for medicinal chemicals (3). "**UBROMINT**"; for medicinal chemicals (3). By Bayer Products, Ltd., 31 Basinghall Street, London, E.C.2. 489,785/711; 498,213. (Associated.)

"**LENIFORME**"; for chemicals (2). By A. Landrin, 135 Boulevard Haussman, Paris. 497,684. (Associated.)

"**COLLOPLASMA CROOKES**"; for medicated preparations for use as poultices (3). By British Colloids, Ltd., 22 Chancery Street, Tottenham Court Road, London, W.C.1. B493,303.

Oval design including sun on horizon and star in foreground; for medicinal chemicals for export to and sale in West Africa (3). By West African Drug Co., Ltd., 40 Hanover Street, Liverpool. 495,092.

"**MUSTEROLE BRAND**" on design; for medicinal preparations (3). By Musterol Fine Products Co., Ltd., 4 Old Swan Lane, Upper Thames Street, London, E.C.4. 496,249. (Associated.)

"**PETROLAGAR BRAND PARAFFIN EMULSION**" on upright label with diagonal band; for a liquid paraffin and agar-agar preparation (3). By Deshell Laboratories, Ltd., Braydon Road, London, N.16. 497,551. (Associated.)

"**LE VAMPIRE**"; for all goods (11). By J. Freiss, Avenue de Betsusy, Lausanne, Switzerland. 488,293.

"**SIMPER THETIC**"; for sanitary towels and suspensory bandages or belts (11). By C. Bayer & Co., Ltd., 81 Golden Lane, London, E.C.1. 494,057.

"**ULTRA RAYOR**"; for curative apparatus for treatment of colds, etc. (11). By Ascog, Ltd., 44 Theobald's Road, London, W.C.1. 497,454.

"**PEGCO**"; for goods (11). By H. Pegg, 10 Mount Pleasant, Liverpool. 497,494.

"**KLENATE**"; for all goods (47). By A. K. Hillson, 133 Tringate, Glasgow. 486,824.

"**VITAPAROL**"; for all goods (47). By P. Dvorkovitz, 10 Victoria Street, Westminster, S.W.1. 495,322.

Births

Notices for insertion in this column must be properly authenticated.

DUNN.—At 39 Glencairn Drive, Pollokshields, Glasgow, on January 31, the wife of H. R. Dunn, chemist and druggist, of a daughter.

ORR.—At 18 Hospitland Drive, Lanark, on January 30, the wife of John Orr, chemist and druggist, of a daughter.

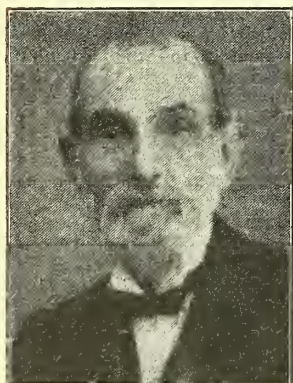
Deaths

BERK.—On February 10, of pneumonia following influenza, Josephine Marion (Fina), the wife of Mr. P. Felix Berk, 17 Beckenham Road, Beckenham (chairman of F. W. Berk & Co., Ltd., drug and chemical merchants, 106 Feuchurch Street, London, E.C.3).

BLACKBURN.—At her home, Arncliffe, 28 Half Edge Lane, Eccles, on February 11, Harriet, the dearly loved wife of Mr. A. E. H. Blackburn, Ph.C. (Mottershead & Co.), 7 Exchange Street, Manchester.

BLUNT.—At Shrewsbury, on February 9, Mr. Thomas Porter Blunt, M.A., F.I.C., Ph.C., aged eighty-six. Mr. Blunt was public analyst for Shropshire, Merionethshire and Montgomeryshire, and was one of the earliest investigators in radiotherapy.

CLIFTON.—At 150 Norwich Road, Ipswich, on February 6, Mr. Edwin Samuel Clifton, retired chemist and druggist, aged eighty-seven.



MR. E. S. CLIFTON

Mr. Clifton, who was born at Guilborough, commenced business in Ipswich in 1865 and retired in 1921. He specialised in homeopathic remedies, and during fifty-five years of active life gained the confidence and esteem of a large number of people in the town and district. Of a quiet, generous nature, he provided many a poor patient with medicine and advice gratis. Mr. Clifton was a prominent supporter of Burlington Baptist Church, serving as secretary for a long period and being made a life

officer in recognition of his faithful service. Among the numerous floral tributes at the funeral, which took place at Ipswich Cemetery on February 11, was a wreath from the Ipswich and Suffolk Branch of the Pharmaceutical Society. The following pharmacists were present at the first part of the service at Burlington Baptist Church:—Mr. E. H. G. Bennett, Mr. J. R. Cornell, Mr. G. Edwards, Mr. C. Smalley, Mr. S. Stearn, Mr. J. A. Symonds, and Mr. J. C. Wiggin.

GARDNER.—At 39 Sunnyhill Road, West Southbourne, Bournemouth, on January 19, Mr. William Gardner, chemist and druggist. Mr. Gardner qualified in 1876.

GRAHAM.—On February 6, the widow of the late Mr. A. W. Graham, chemist and druggist, Cherry Mount, Sheffield, aged seventy-seven.

GRAY.—At 194 Holland Park Avenue, London, W.11, on February 8, Mr. George William Gray, chemist and druggist, the dearly loved husband of Jessie Gray, aged fifty.

LESLIE.—At 14 Pitt Street, Edinburgh, on January 28, the widow of Mr. William Leslie, chemist and druggist, Haddington.

PATTISSON.—At his residence, 154 Bethune Road, Stamford Hill, London, N.16, on February 5, Mr. Walter Robert Pattisson, aged sixty-seven. Mr. Pattisson was sole partner of the firm of R. Morrison & Co., merchants, 11 Rangoon Street, E.C.3.

Personalities

MR. J. H. APLIN, chemist and druggist, Trowbridge, has been installed Worshipful Master of the local Masonic Lodge.

MR. A. HOPE DARBY has been appointed the London representative of the British Nylonite Co., Ltd., Hale End, London, E.4.

MR. E. C. AUSTEN, son of Mr. E. P. Austen, London manager of The Erasmic Co., Ltd., has passed the Dental Mechanics examination of the Royal College of Surgeons of England.

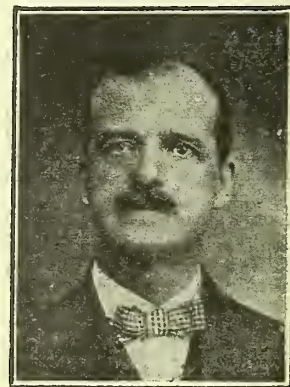
The Board of Trade have appointed Mr. Ernest Hickson, Hickson Partners, Ltd., Castleford, to be a member of the Dyestuffs Advisory Licensing Committee, in place of the late Mr. W. H. Dawson.

MR. TOM B. ASHTON (Ashton Sidney, Ltd., chemists), Didsbury, played the part of the Rev. Canon Peter Considine, M.A., in the Didsbury Amateur Operatic and Dramatic Society's recent production of St. John Ervine's light comedy, "Mary, Mary, Quite Contrary."

CERTIFICATES OF NATURALISATION have been granted to I. Alberman (known as Albert Alberman), pharmacist, 41 The Drive, Golders Green, Middlesex; M. Hurwitz (known as Max Abrams), medical practitioner, 82 Butler Street, Oldham Road, Manchester; L. P. Verheyen, spice and drug merchants' manager, 24 Crediton Road, Kensal Rise, Middlesex.

MR. PHILIP F. ROWSELL, a past-president of the Pharmaceutical Society of Great Britain, has been adopted as a prospective parliamentary candidate for the Totnes division of Devonshire. Rather more than ten years ago Mr. Rowsell was a prospective candidate in another division, but in the circumstances of that period of coalition in politics decided not to break the party truce. Mr. Rowsell's distinguished career in pharmacy was outlined in the *C. & D.*, 1926, I, 680.

For the first time for several years a pharmacist has been returned to the House of Commons, Mr. William Bennett having won a by-election in South Battersea, London, on February 7. The voting was:—Mr. W. Bennett (Soc.), 11,789; Mr. H. R. Selley (C.), 11,213; Mr. V. C. Albu (L.), 2,858. Mr. Bennett began his career in pharmacy in 1887 as an apprentice to Mr. F. P. Ballard, Wootton Bassett. After gaining further experience at Southampton, Warminster, Cardiff, and Weston-super-Mare, he qualified in 1896. Mr. Bennett subsequently had experience of hospital dispensing, and was for sixteen years in business on his own account at Newton Abbot. He has held office as secretary of the Guildford Trades and Labour Council, as a member of the Guildford Food Control Committee, and as an overseer. Mr. Bennett took his seat in Parliament on February 11.



MR. W. BENNETT

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

E/112. Barnard's Velvo Tint	S/112. Silvex (or Sylvex) sanitary pads
E/112. Freeman's syrup of phosphorus	C/301. Sparagir French water-proof dressing
E/62. Juglande pilules	E/62. Vinum quinine Labbabbage
N/112. Mira nasal spray	W/42. Woodland Charm perfume
B/72. Perea depilatory	
A/72. Sodium quinine ethylate	

Observations and Reflections

By Xrayser III

Warranty Law

would appear to be like dice loaded against the retail trader, and readers of the *C. & D.* will do well to note with care what you have stated upon the subject in your issue of February 9 (p. 169). So far as I am able to sum up the matter, no warranty is a legal safeguard unless it is one specially written for the occasion, and every guaranteed article must have a separate written warranty. If this is the correct legal position (and I see no reason to question that it is so), wholesale dealers are likely to be kept busy in supplying written warranties, and increase in their clerical staffs will probably be rendered necessary. As for the retailer who receives the written warranties, he may find it desirable to adopt a special system of filing them, perhaps on the card-index system, so that any particular warranty can be found quickly when required. But the most important point that occurs to me is that the wise retailer will be careful to place his orders for goods requiring warranties with wholesale dealers upon whom he can rely fully for support in time of need.

Discretion

is a quality that the properly trained pharmacist ought to be relied upon for exercising whenever required; but I foresee possible trouble arising if any of us should choose to exercise our discretion, as suggested in the latest report of the Warwickshire county analyst (*C. & D.*, February 9, p. 151), when mercury ointment is asked for. It seems to me that I can recall instances in which mercury ointment was asked for and the chemist, properly using his discretion and notifying the customer accordingly, supplied a weaker preparation to his own subsequent regret when fined in court for so doing. Until all public analysts and public authorities are in accord respecting the desirability of the chemist exercising his discretion, as suggested by Mr. W. T. Rigby, we shall be well advised to hesitate before supplying anything other than is actually asked for by a customer who is a stranger.

French Pharmacists

appear to have the same troubles as ourselves, and those of your readers who are concerned about "the need of the day" should find it profitable to read what you report about the activities of the General Association of Pharmaceutical Societies of France and Colonies (*C. & D.*, February 9, p. 153). After that they may find themselves in a frame of mind to profit by reading the survey of pharmacy by Mr. J. G. Wallbridge (p. 155), who sums up the position admirably so far as English pharmacy is concerned. It will be noted that there is under consideration in France a scheme for an "order of pharmacists," a corporation with legal power to expel members guilty of unprofessional practice. The fact that such a scheme has been suggested would appear to show that the problems of the shopkeeping professional man are much the same on both sides of the English Channel. Price protection is another matter still under discussion in French pharmaceutical circles, as also is the idea of the national co-operative manufacture of goods by retailers. Let it be noted further that the appointment of pharmacy inspectors is approved by French pharmacists as being among the measures likely to raise the status of pharmacy.

The Study of Enzymes

by Dr. Dryerre has led him to conclusions which tend to upset many of our ideas concerning pharmaceutical preparations (*C. & D.*, February 9, p. 172), but it is just as well that we should not be under any misconception regarding undesirable methods of presenting digestive agents. A good deal of money is wasted on medicinal preparations in which enzymes are prominent constituents, and realisation of this fact must come sooner or later. What Dr. Dryerre has stated on the subject should hasten the process of enlightenment and enable us to give better advice to our medical friends, as well as to produce more rationally devised

preparations for many purposes. Emphasis is also given by Dr. Dryerre's remarks to the desirability of our studying physiological chemistry and having a practical acquaintance with dietetic problems and their solution. The pharmacist needs to know more than he usually does about the proximate principles in the diet of his customers, and about what happens to them in the course of passing along the digestive canal.

The Complete "Novelty"

of any medicinal recipe is always a difficult matter to establish. The one published in your last week's issue (p. 175) under the heading of "A Baume de Vie Recipe" is an instance of this. During the eighteenth century medicines of this particular type were as common for general use as are the so-called "health salts" of to-day. There the injunction was, "Keep your bowels regular, and protect yourself against poisons and miasma"; now the second part is slightly different, and we say "against germs." Aloes became the efficient drug for the first, and, of course, Venice treacle was still the universal antidote to secure the second aim. Consequently these two articles are the chief constituents of the Baume de Vie, which was only one of several similar preparations. The late Mr. Wootton, in his "Chronicles of Pharmacy," says that Baume de Vie was sold by Lelievre, of Paris, and, on the authority of Cadet de Gassicourt, gives a copy of the formula generally associated with Lelievre's name, with the exception that "treacle" should be "Venice treacle." A comparison of this week's recipe with that given by Wootton shows an agreement in the matter of the constituents, but there are differences in the quantities, and there is no sugar in the Swedish one. The provenance of your contributor's MS. throws some light on this matter, and, at the same time, serves to illustrate the propensity of many people to pass off old, well-tried articles under new names. It is not very remarkable that a Swedish physician should have among his papers the formula for an article which was commonly known throughout western Europe as the "Swedish Elixir," and perhaps still more widely valued as the "Elixir of Long Life" ("Elixir Vitæ Longæ"). While the formula in question does not exactly agree with that of Lelievre's Baume de Vie, it does precisely represent the "Swedish Elixir," which has apparently proved its virtues to such an extent as to justify its synonym of the "Elixir of Longevity."

Monsieur Lelievre

would have, I imagine, some considerable difficulty in establishing a claim to priority in the matter of the formula of his preparation. The name may be accounted an attractive one, but not more so than the one of "Elixir of Long Life," except that it was comparatively novel. In the early part of the eighteenth century aloetic medicines, especially in spirituous forms, became the vogue. This may have been due to the discovery that the huge doses which it was previously considered necessary to prescribe were positively hurtful (ten to thirty grains of purified aloes were the usual doses), and the benefit obtained from small repeated doses was generally recognised. The two elixirs mentioned had, like several others, a common origin in this new appreciation of the value of aloes. With it, however, there was usually a variety of the old remedies with a reputation for acting as "correctors," and for "attenuating gross humours." That century saw many of the old formulas rigorously amended and the number of constituents drastically reduced. This formula is an example; it is a fair specimen of eighteenth-century medicine. It did not have its origin with Lelievre. David de Spina seems to have been the originator; it was published under his name in 1715, under the name of "Elixir Pestilentielle de Spina." There are slight differences, chiefly in the proportion of aloes. His formula is:—Aloes 3j., rhubarb and Venice treacle of each 5ij., saffron, myrrh and troches of agaric of each 3j., zedvary and gentian of each 3ss., spirit of wine 2 lb., and white sugar 3iij. The chief interest of this article is in the fact that its popularity led to its appearance in the London Pharmacopœia of 1809, under the designation of "Decoctum Aloës Compositum"; it is still found in the British Pharmacopœia under the same name, but minus the saffron.

THE BRITISH INDUSTRIES FAIR

*VISITORS will be welcomed at
STAND K116
by representatives of
THE CHEMIST & DRUGGIST*

Executives interested in Drug Trade distribution should call to discuss this matter in its various aspects, and obtain the benefit of our experience and advice. A telephone and facilities for correspondence, etc., will be at the disposal of all our subscribers.

We are always pleased to meet our Overseas subscribers, and, if any are unable to call at our Head Office we hope they will make themselves known at our stand.

THE WHOLE SERIES OF
THE CHEMIST & DRUGGIST PUBLICATIONS
WILL BE ON VIEW.

*Arrange to meet your friends by appointment
at our stand.*

PHONE: PARK 5681

Sal Hepatica

the medicinal saline laxative is in steadily increasing demand through constant medical recommendation.

NOTE THESE PRICES.
P.A.T.A. 1/3 and 2/6 per bottle.

Stock through your wholesaler and write for list of special discounts showing handsome profit.

BRISTOL-MYERS COMPANY
112 Cheapside - - London, E.C.2

Transharit
REGD.

THE TRANSPARENT WRAPPING MATERIAL

Insoluble, Odourless, Non-Injurious, Colourless and Coloured in Envelopes, Bags and Discs.

SIER, VOSS & TOMES, 11b Upper Thames St., London, E.C.4
Central 9677.

REYNOLDS & BRANSON, LTD.

Grand Prix **LEEDS.** Turin, 1911.

PHARMACEUTICAL PREPARATIONS.

Tinctures, Ointments, Pills, Tablets, Suppositories, Standardised and Clinically Tested Galenicals, &c.

SURGICAL INSTRUMENTS.

X-Ray and Electro-Medical Apparatus, Dressings, &c.

AERATED BEVERAGES.

Sparkling Phosphorated, Puritzer, Dry Ginger Ale, &c.

SCIENTIFIC APPARATUS.

(Chemical, Physical and Photographic), Balances and Weights.
CHEMICALS FOR TECHNICAL AND ANALYTICAL PURPOSES.



QUALITY PRODUCTS

TABLETS AND PILLS
Standard or Special Formulæ, Packed or in Bulk.
NETTO THE DRY CLEANER
LYSOL

The Cooper Laboratory.
Watford.
Telegrams: Science Watford.
Telephone Watford, 612.



WATER GLASS

FOR PRESERVING EGGS.

Write now for quotations for forward delivery to the pioneers and largest packers of this line.

Tomlinson & Hayward, Ltd.
51 NEWLAND, LINCOLN.

In response to numerous enquiries we wish to inform the trade that

"TY.PHOO TEA"

IS OWNED BY

Messrs. SUMNER'S TY.PHOO TEA, LTD.
CASTLE STREET, BIRMINGHAM,
WHO INVITE APPLICATIONS FOR TERMS.

**EXTRA
RECTIFIED**

ALCOHOL
FOR
PERFUMERY

Write for Prices

J. BURROUGH LTD. 1 Cale Distillery,
LAMBETH, S.E.11

Editorial Articles

The King's Health

IN common with British subjects all over the world, and with many other friends of this nation, our subscribers have followed with sustained interest the course of the lengthy illness which has so severely taxed the strength of the King. The medical journals have given week by week in sufficient detail, and have imparted to the lay Press, particulars of the clinical aspects of this long and gallant struggle of his Majesty against heavy odds. The team work of the medical men and the nurses has been so far successful, and it was possible to move the royal patient to the South Coast on February 9. It only remains to wish our King a complete recovery from the exhausting malady that has given his household and the nation the gravest anxiety. "We are a people," as a former Poet Laureate significantly remarked; and to the King, our head, we instinctively turn in times of national emergency and national rejoicing alike. On his Majesty's conspicuous fairness when constitutional problems arise it is superfluous to comment. We earnestly trust that our Sovereign may long be spared to reign and to counsel.

Misdescription of Wines

THE attention of chemists and druggists who hold licences to sell wine may usefully be directed to the unusually large number of cases which have recently been before our Courts in connection with the sale of wines under false trade descriptions. Under the Merchandise Marks Acts it is an offence in any person to sell or expose for, or have in his possession for, sale or any purpose of trade or manufacture any goods or things to which any forged trade mark or false trade description is applied, or to which any mark or description calculated to deceive is falsely applied. The deception aimed at by the Act may be by "get-up" of the bottle or other enclosure as well as by direct representation in words. And as the object of the Legislature was to protect the ordinary consumer, to ensure that as far as possible a person, not necessarily an expert, who desires to buy an article should be able to purchase what he thinks he is in fact buying, it is no answer to a charge of selling under a false trade description to say that the particular buyer was not in fact deceived. One reason for the increase in the number of wine fraud cases is not far to seek. There has recently grown up in this country a very considerable industry in the making of wine the chief constituent of which is a grape juice imported from abroad. The juice is admitted free of duty to this country, and the British wine, "sweets," made from it is subjected to a duty of only 1s. 6d. a gallon. Consequently it is possible to put it on the market at a cost much below that at which foreign wine on which a Customs duty of 8s. or 10s. a gallon is paid on importation can be sold. There is thus a great temptation to traders to substitute the home-made for the corresponding imported product, and it is perhaps not surprising that the commercial morality of some should prove unequal to bear the strain put upon it. How far irregular practices of this kind can be suppressed by means of successful prosecution remains to be seen; in the meantime such a precaution against imposition as requiring a clear and specific description of the goods bought on the invoice, label or other document relating to the wine should be taken by every purchaser. A further difficulty of some importance in connection with dealing in wine is to be traced to the preferences introduced of late years into our Customs tariffs for wines of Empire growth imported into Great Britain. As will be seen on reference to the *C. & D. Diary* for 1929 (p. 325), wines of Empire origin are admitted at a preferential rate of Customs duty, which in some cases is nearly 50 per cent. less than that imposed on wines the produce of foreign countries. Under this concession the importation of wines of Empire origin has greatly developed, and the idea of fostering the trade has been taken up with enthusiasm by some of our Dominions. But the position cannot be said to be altogether satisfactory. A conference of Australian wine producers meeting recently at Adelaide had much to say about the practice of importers of non-Empire wines into Great Britain in mixing Australian wine at the lower rate of duty with a proportion of European wines of a corresponding kind for sale as purely foreign wine in the British market. And while it is true that a complaint in this form might rather be expected to be made by those interested in the production of foreign wines, it none the less points to another direction in which the purchaser of wines may be entitled to be safeguarded against being imposed on by misdescription. As it happens, the situation is somewhat complicated by a distinction which Parliament, no doubt for sufficient reasons, has seen fit to make between port and all other wines. Ratifying a treaty entered into between Great Britain and Portugal in 1916, it was made an offence in anyone to give the name "port" to a wine other than "a fortified wine produced

in the Douro region and exported through the bar of Oporto." And this offence would be committed although qualifying words had been added to the word port so as to make it clear that there was no intent to deceive a purchaser. Thus a wine produced, say, in Canada could not lawfully be sold here under the name of Canadian port. On the other hand the other wines in general use here, such as clarets, burgundies and moselles, remain subject to the provisions of our Merchandise Marks Acts. They are subject merely to the restriction that they are not to be sold or kept for sale under a false description. And although their names may at first have indicated that they were the produce of a particular geographical region, these names have in the course of time come to be associated in the public mind with wines of a particular character, colour and flavour. Thus there could be no question of a false description in the case of a wine because it was described as burgundy, unless there were added to this some word or words indicating an origin other than the true one. The practice now generally followed by shippers of marking the bottles with a label setting out the country of production should do much to prevent deception of purchasers on sale of the wine, but cannot take the place of caution on the part of the purchasers themselves.

The Position of Platinum

WITHIN the last few weeks there has been some talk of a prospective amelioration in market conditions for platinum as a result of the more hopeful views ventilated about a month ago by the chief representative of the Berlin concern, closely associated with the Soviet government, for the handling of the precious metal in the world's markets. These views were based on the fact that in consequence of the continuous retrograde movement which followed the sharp rise experienced in the earlier part of February last year to £17 15s. per ounce, the market was forced back almost to the lowest point reached in 1927 or for many years previously. At the opening of this year the leading home refiners were still quoting £14 15s., but business was being done by outside sellers at £14; and although rather more interest became manifest in the consuming trades at about the latter figure, the demand was then not sufficiently important to induce the Russian marketing organisation to deviate from their policy of meeting the demand by the granting of further concessions in order to stimulate consumption. Near the end of last month leading home refiners, or the pioneers of the industry, made additional concessions down to £13 17s. 6d., with other sellers, however, securing a great deal more business at £13 10s. per ounce. The latter figure would seem to be the turning point from the depression, which thus extended over a period of practically twelve months. At any rate, we understand that there has been a notable revival in the demand across the Atlantic, chiefly from the jewellery trade, which has resulted in a stronger feeling gaining ground there, with New York prices raised somewhat from the recent lowest. Some considerable business was reported on this side in the course of the past week, without, however, so far leading to any revision of current quotations. The outlook is certainly brighter in the platinum industry, while the current price may be considered rather intrinsically low allowing for the change in economic conditions from the pre-war basis. The price for many years past had been generally pegged at a high level, which naturally impeded the user, even for essential purposes, to purchase strictly from hand to mouth, so that market absorbing capacity contracted to comparatively small proportions. This, together with a gradual steady recovery in the Russian production and the development of new production in other parts of the world, chiefly

North America and South Africa, obviously led to an increasing surplus coming on the market within the last two years. In the past decade or so the mainstay of the market has been the demand from the jewellery trade, although there has been a quietly growing outlet for the metal in certain other directions, chiefly for electrical purposes. Its use for dental purposes has been considerably reduced because of the inflated price. Expert opinion is that, while the use of platinum for jewellery may seem hardly sufficient to ensure a steady or stable basis for the market, it is a mistake to assume that its use for this and other purposes depends entirely on the fashion of the moment. Taking gold in comparison, this precious metal has been used very largely for a long while, and it will unquestionably continue to be used indefinitely, but it is hardly possible to surmise that platinum for the manufacture of jewellery will only be used at an abnormally inflated price as current until some few years ago. As a matter of fact, in spite of the high price ruling a year ago, there was a marked slackness of demand in the American jewellery trade during the greater part of the year, which has been one of the main reasons for the difficulty experienced in absorbing the rather increased quantities which came on the market, especially in view of the more aggressive selling policy of the Soviet selling agency through Berlin and London. Other producers naturally became keener competitors. There is little doubt, however, that old accumulations have already been reduced to relatively small dimensions, so that the position is much healthier than it was some time back, and even trade stocks are believed to be on the low side. A point, moreover, has to be kept in mind, namely, that platinum stands at a price closely approximating to cost of production, which is placed at fully three times that of gold. The current price is still roughly double what it was before the war, when the market differed a good deal from what it is now and the Russian output was much heavier, although Russia had then no outside competition to contend with. Approximate extreme prices for the last seven years were as follows:—

Year				Highest per oz.	Lowest per oz.
				£ s. d.	£ s. d.
1922	..	..	..	25 0 0	19 0 0
1923	..	..	..	29 0 0	22 10 0
1924	..	..	..	27 0 0	25 0 0
1925	..	..	..	25 10 0	24 0 0
1926	..	..	..	25 0 0	22 0 0
1927	..	..	..	23 0 0	13 10 0
1928	..	..	..	17 15 0	14 0 0

The Russian output, according to fairly reliable estimates, was about 100,000 ounces for 1927, and has probably increased further in the past year, this comparing with 92,683 ounces for 1926 and 94,778 ounces for 1925. The next largest producer is Columbia, contributing at least 55,000 ounces, which, with an output secured elsewhere (chiefly Canada and South Africa, together) of at least 30,000 ounces, would make the total world's production about 185,000 ounces, or an increase of well over 40,000 ounces as compared with 1925.

THE GROWTH OF A BUSINESS.—In "Tit-Bits" of February 2 Mr. E. S. Waring discourses pleasantly and effectively on the growth of Boots Pure Drug Co., Ltd., and its associated companies from the initial venture in Goose Gate, Nottingham.

RELIC LOST.—Publicity has been given during the past few weeks to a remark of the Edmonton public librarian that a table used by Keats in dispensing for the local surgeon to whom he was apprenticed (in some versions the surgeon has become a chemist) has been sold by auction with lumber, and has passed into unknown ownership.

Dextrin Manufacture

THE production of dextrin takes place as a result of heating starch either alone or with the addition of an acid, but by both these methods of procedure the production of a white dextrin, entirely soluble in cold water, is not possible. White dextrin of commerce usually contains from 25 to 80 per cent. of insoluble matter (unaltered starch), the average content being about 45 per cent. Attempts to render the product more soluble in water by prolonged heating or by using higher temperatures result in a yellow or brown discoloration, which renders the dextrin unsuitable for many purposes.

It has been possible to obtain a dextrin which gives only a slight turbidity with cold water, if to the acid used small quantities of manganese chloride, aluminium chloride, cobalt chloride, platinum chloride and chlorides of the platinum metals, vanadium chloride and other chlorides or nitrates of these metals were added. The addition of these substances results in the acceleration of dextrin formation, permits the use of a smaller quantity of acid and shortens the duration of heating or roasting. A very suitable metallic salt for the process is manganese chloride, which has also the advantage of cheapness. On a commercial scale 100 kg. of potato starch is mixed with a solution of 150 c.c. of concentrated hydrochloric acid and 20 gm. of manganese chloride in 5 litres of water. The mixture is dried in the usual manner, and finally heated for forty minutes at 120°-130° C. This procedure results in the production of a nearly pure-white, soluble dextrin, which gives only a slight turbidity with cold water and only a slight opalescence with water at 25° C. This process of manufacture of soluble starch by treatment with acids and metallic salts is well known. A suggested development of this was to mix starch with at least an equal weight of 3-per-cent. hydrochloric acid and small quantities of the metallic salts, and treat in the warm with air. The reaction product was filtered off, washed and dried. By this method a product resulted, however, completely insoluble in cold water, which coloured iodine solution a deep blue and was of low adhesive power. German Patent 456,841 is an improvement on the foregoing. This process works well with the addition of 0.06 per cent. of acid in relation to the weight of starch, and supplies only sufficient water to make a homogeneous pasty mass. This starch-acid mixture is dried and freed from water as much as possible and heated at a temperature of about 120° C. The heated product is the end-product of the reaction, and a dextrin is produced which is almost completely soluble in cold water, colours iodine test solution red and possesses increased adhesive properties. It has not previously been possible to manufacture white dextrin of so high a solubility and at the same time to use such a small quantity of acid. The solubility in cold water of dextrin obtained by other processes is only about 65 per cent. The technical advance made by the new process is shown by the characters of the new product:—

	Dextrin by new process		Dextrin previously available	
	(1)	(2)	(1)	(2)
Colour	Per cent. White	Per cent. White	Per cent. White	Per cent. White
Water	6.87	7.78	9.95	10.16
Ash	0.29	0.24	0.26	0.33
Dextrose	3.30	5.64	4.28	2.95
Acid	2.2 c.c.	1.6 c.c.	4.2 c.c.	2.0 c.c.
Solubility in cold water	98.63	98.43	65.89	40.12
Solubility in water at 35° C. ..	99.52	99.52	—	—

BRITISH INDUSTRIES FAIR.—The Association of British Chemical Manufacturers has invited every professor of chemistry at recognised universities and technical colleges throughout the country, together with their assistants, research and senior students, to visit the Fair in organised parties, which will be taken round the chemical section by guides.

Menthol from Mexico

By E. M. Holmes, F.L.S., Emeritus Curator, Pharmaceutical Society of Great Britain.

In the *C. & D.* of November 24, 1923, I dealt with the tabaquillo plant of Mexico, which is being exploited by the Department of Industries in Mexico as a probable source of menthol. I find that in the Mexican Pharmacopœia (Vth ed., p. 539) tabaquillo is official under the



Hedeoma piperita, Benth.

two names already mentioned, viz., tabaquillo and tabaquillo oloroso. The synonym or vernacular name of tabaquillo is "Te nurite" and "Te de monte."

Tabaquillo, or *Calamintha macrostema*, Benth., occurs at Contreras (Distrito Federal) Tepoztlan (Morelia) Patzcuaro (Michoacan) Orizaba (Vera Cruz), and numerous other localities where the climate is cool. The branches are described as divaricate, dark coloured, hairy when young, usually round with epidermal exfoliations in the adult state. Leaves shortly stalked, 0.015 to 0.04 m. long and 0.005 to 0.015 m. broad, oval or oblong acute, cuneate rounded at the base, the margin with small serrate teeth. The leaves have a green colour above, but are paler and slightly pubescent beneath. The branches bear also extra-axillary branchlets with small leaves and numerous dried pedicles, some of which carry remains of the flowers. The inflorescence consists of opposite cymes, with few flowers, almost verticillate. The calyx is two-lipped, the throat internally naked, shining, with the upper lip extended. Corolla, of a reddish or orange tint, four times larger than the calyx, and with the tube gradually dilated, stamens slightly projecting. The plant has an aromatic odour, like that of mint, and a pungent taste, especially when fresh. When in flower the long projecting style is very characteristic. The fresh plant yields 0.1 to 0.3 per cent. of an essential oil, also tannin, resin, and a bitter principle. The dose of the oil is about ten drops.

Tabaquillo oloroso.—This plant is known also as "Te de rancheros." It is the *Hedeoma piperita* of Benth. It occurs in various localities in the provinces of Michoacan, Morelos, Mexico, Hidalgo, etc. The stems are simple, herbaceous, obscurely quadrangular, pubescent, green when fresh, but darker when dry. The leaves are opposite, shortly stalked 0.016 m. to 0.015 m. long, oval, obtuse and rounded at the base, shining with transparent points on both surfaces, and of a green colour. The inflorescence is in the form of axillary verti-

cillasters. Calyx two-lipped, subgibbous at the base, with three grooves. Corolla two-lipped of a white colour with two reddish points on the upper lip, stamens two, anthers two-celled, ovary superior style capitate, shorter than the stamens. The chief constituent of the plant is an essential oil of yellowish colour with an odour like peppermint, and with a burning taste which leaves a sensation of coolness. The fresh plant yield 0.3 to 0.5 per cent. of the essential oil which contains 2 to 3 per cent. of menthol. It would seem, therefore, that the tabaquillo oloroso is rich in menthol, though it is not stated how much menthol the oil of tabaquillo yields. As no illustration of these two Mexican plants is known, except the portions of tabaquillo reproduced in the fifth Mexican pharmacopœia, the Director of Kew Gardens has courteously permitted photographs of the dried authentic specimens of them in the Kew Herbarium to be prepared to illustrate this note. These show well the difference in habit, and of the shape, size and margin of the leaves of the two plants. The branch of *Calamintha macrostema* Benth., illustrated on p. 541 of the fifth Mexican pharmacopœia, shows the serration of the leaves and the elongated style of the flower more clearly than this photograph, which gives a better idea of the branching of the plant. These illustrations should, I think, be sufficient to prevent any



Calamintha macrostema, Benth.

confusion in commerce between the two plants. It is not yet clear whether the *Calamintha macrostema* contains as much menthol as the *Hedeoma piperita*, but this will doubtless be soon determined by analytical examination. The botanical names on the herbarium specimens of *Calamintha macrostema*, Benth., show the changes that have been made by successive botanists who have described the plant. The photographs represent authentic specimens mounted on sheets in the Kew Herbarium.

AGE OF LIMESTONE.—Writing to "The Times," recently, Professor A. P. Laurie suggests that the percentages of calcium sulphate and carbon dioxide present in limestone may be used as a test for distinguishing genuine from sham antiques. An analysis made in connection with the restoration of Lincoln Cathedral gave the following percentages of calcium sulphate: 4.3 at $\frac{1}{4}$ in. depth, 4.0 at $\frac{1}{2}$ in., 3.7 at $\frac{3}{4}$ in., and 2.4 at 1 in. Similarly, the excess of carbon dioxide found was 4.2 per cent. at $\frac{1}{4}$ in. depth, and 1.1 per cent. at 1 in.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

Local Reports

ENGLAND AND WALES

Burnley.—At a meeting of the Insurance Committee, on February 1, it was reported that the Ministry had given instructions that a fine of £1 1s. imposed on a chemist who used a substitute in dispensing a prescription must be increased to £2 2s.

Derby.—Statistical data presented to the Borough Insurance Committee showed that during the quarter ended September 30, 1928, the number of prescriptions dispensed to insured persons was 43,073, giving a frequency of 0.87 per insured person. The average ingredient cost was 4.2d. and the average dispensing fee 4.4d. It was reported that a circular letter had been sent to all panel doctors drawing attention to the fact that prescription forms should be properly filled in.

Merioneth.—At the annual meeting of the Insurance Committee a letter was read from the Welsh Board of Health concerning over-prescribing in a quarrying district. Mr. Llew Meirion said there were patients who laboured under the delusion that doctors' medicine was a *sine qua non* for all ailments. It was common knowledge that too much medicine was drunk, and some had water. Mrs. R. J. Roberts, Corwen, said that doctors would much prefer prescribing one bottle of good medicine to half a dozen bottles, but they are not allowed to use their discretion.

Nottingham.—It was stated at the annual meeting of the County Insurance Committee that during the year ended October 1, 1928, 124,588 insured persons obtained drugs and appliances from chemists, while 28,264 received drugs and appliances from their doctors. Thirty-five samples of drugs and eight samples of appliances were examined. In twenty-eight cases the reports showed that the drugs dispensed and the appliances supplied were of proper quality. Nine certificates of analyses were considered by the Pharmaceutical Service Subcommittee, with the following results:—A chemist was found guilty of carelessness, and £1 was withheld from his remuneration; another chemist was reprimanded and cautioned; two chemists were requested to exercise more care in future; in one case the explanation of the chemist was accepted; and in four cases no further action was taken. In the remaining six cases the analysts' certificates had not yet been received. The Subcommittee also investigated two complaints, one of which related to the failure of a chemist to provide a dispensing service for insured persons on early closing days and Sundays by rota. The sum of £2 was withheld. In the other a complaint was made on behalf of an insured person that a chemist had failed promptly to supply pills which had been ordered by his doctor. In this case it was held that the prescription had been dispensed without unreasonable delay on the part of the chemist. The number of chemists under contract with the Committee at present was 121, with 168 shops, as compared with 114 chemists with 158 shops a year ago. The number of scripts issued during the year was 467,117, compared with 478,860 for the previous year. The cost of drugs and appliances supplied to insured persons from November 1927 to October 1928 was £15,072 9s. 6d.

Oldham.—At the annual meeting of the Insurance Committee, on January 21, it was reported that during the past two years forty samples of drugs and appliances had been tested, and the results had proved satisfactory. Only two cases were brought before the Subcommittee, and no action beyond a caution was considered necessary.

Oxfordshire.—At a meeting of the Insurance Committee, on January 22, a complaint was made that a chemist had supplied an article which was not of the nature demanded by the Pharmaceutical Service Subcommittee. It was decided that the chemist should be requested to exercise greater care.

Stoke-on-Trent.—At a meeting of the Insurance Committee, recently, consideration was given to the case of a panel practitioner who, it was stated, had

prescribed in excess of what was reasonably necessary for the treatment of his patients. The statistical facts proved were:—The number of the doctor's insured persons on his list was 1,395; the number of those prescribed for during the quarter was 618; the total number of prescriptions issued was 2,794; the average number of prescriptions issued per person prescribed for was 4.5. Comparing the doctor's costs with those of the area, it was proved that the following state of affairs existed:—The average number of prescriptions per insured person was in this doctor's case 2.003, the average for the area being 0.996, giving a percentage excess of 101.104. The average ingredient cost per prescription in pence was in the case of this doctor 4.914, that of the area 3.172, showing a percentage excess of 54.95. The average cost per insured person in pence was, in this doctor's case, 18.965, that of the area 7.559, showing an excess of 150.892 per cent. It was decided to impose a penalty of £10. This decision was an amendment to a proposal that the sum should be £20.

Warwickshire.—The Pharmaceutical Committee met at Leamington on January 24. The secretary reported as to inquiries whether a leg-iron could be supplied out of the drug funds, also crêpe binder and other non-prescribed appliances. A letter from the R.P.U. stating how they had dealt with certain misstatements concerning the present position of panel chemists in relation to the drug fund which had appeared in the Press, and been otherwise circulated, was read. The Union received the approval and thanks of the Committee. It was decided to take no action on account of the new D.D.A. regulations, there being no formula in the local pharmacopœia containing heroin. The estimated administrative expenditure of the Committee for 1929 was £159 13s., and the actual expenditure for 1928 was £140 2s. 8d. A request to alter the dispensing scheme in one of the larger towns in the area was carefully considered. Full inquiries had been made, and it was unanimously resolved that no change was desirable, the dispensing service being adequate and of a high standard. The Pharmaceutical Service Subcommittee reported that twenty-two tests had been made since the last meeting, and that four samples had been found to be incorrectly dispensed and were dealt with by the Subcommittee. In two cases cautions were administered, the discrepancies not being considered very serious. In the other two, fines of 10s. and 20s. respectively were recommended. The Ministry of Health had intimated to the Committee their decision to impose a fine of 20s. in a case in which the Committee considered a caution was sufficient. A sample dispensed in the area which contained a heavy deposit on the bottom and sides of the bottle, due to the peculiar hardness of the water used, was submitted to the Committee. No action was taken. It was agreed to accept an apology from an assistant who had been guilty of rudeness to one of the agents sent to collect the samples. In reporting on the action being taken to check extravagant prescribing, the secretary stated that the result appeared satisfactory, the cost per insured person for the area being below the usual average. There was still room for improvement.

SCOTLAND

Angus.—The Insurance Committee for the county met at Forfar on January 19. The chairman reported that samples of drugs and appliances taken from chemists in the area had been found highly satisfactory. Mr. A. C. McLennan (Montrose) said that the chairman's report would go a long way to reassure insured persons that the Insurance pharmaceutical service was as high as the private pharmaceutical service. The clerk reported that the expenditure of the Committee during 1928 was £18,835. The number of insured persons in the area entitled to medical benefit was 28,796.

Kirkcaldy.—At a recent meeting of the Insurance Committee the clerk reported that eight samples had recently been taken. The drugs had been tested by Mr. Andrew Dargie, public analyst, Dundee, and the appliances by the testing house of the Manchester Chamber of Commerce, and without exception were found to be of proper standard and quality.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, February 14

BRISKER conditions pervade the Mincing Lane produce markets, and as was the case last week stocks are seriously depleted owing to the influenza epidemic, giving those who are at business quite enough to do. The volume of orders is much greater than has been the case during the past few months, but the value of the transactions is still on the small side. Price changes are comparatively few, considering the general activity, and the magnitude of the alterations moves within narrow limits. Hydrastis root is dearer to come forward, and antimony is also higher. Saffron, gingers, camphor and platinum are all firmer. As we predicted last week, cadmium has eased down. Isinglass at the auctions was much cheaper for most grades, and cocoa butter is also lower. Among the seeds there is a much improved tone, and linseed and cumin are firmer. In essential oils, the position of orange and the Board of Trade statistics for January monopolise interest. Spearmint and wormseed are firmer, while bergamot, juniper berry and Japanese dementholised peppermint are all a shade easier. The market for pharmaceutical chemicals is being favoured with moderately good business, and there is no falling away in values. Citric acid from the source is quoted higher, and the anticipated advance in benzoic acid, by home makers, has had a hardening effect on the price of sodium benzoate. Industrial chemicals are in fair demand, and the changes are slight in value. Copper sulphate is higher, sal ammoniac firmer, and sodium acetate easier. Of the coal-tar products, pitch has declined still further, and creosote oil is also cheaper. A fair turnover is taking place among fixed oils, and a firmer undertone is evident in most directions, although acid oils are lower and turpentine and resin both easier. The following oils are slightly higher—castor, palm, rape and linseed. Rubber is higher, shellac and ipecacuanha are a shade firmer, and pimento and cloves (on spot) are on the easy side.

Higher	Firmer	Easier	Lower
Antimony	Camphor	Bergamot oil	Acid oils
Benzoic acid	Cumin seeds	Cadmium	Cocoa butter
Castor oil	Ginger	Cloves	Creosote oil
Citric acid	Linseed	Juniper berry	Isinglass
(c.i.f.)	Platinum	oil	Pitch
Copper sulphate	Saffron	Peppermint oil	
Hydrastis root	Sal ammoniac	(Jp.)	
Linseed oil	Sodium	Pimento	
Orange oil	benzoate	Resin	
Palm oil	Spearmint oil	Sodium acetate	
Rape oil	Wormseed oil	Turpentine	

Crude Drugs, etc.

AGAR-AGAR is in poor demand, but values are maintained; No. 1 Kobe strip is offered at 4s. 3d. per lb. on the spot, with the shipment quotation at 3s. 10½d. per lb. c.i.f.

ALOES.—For Curaçao in cases 90s. per cwt, has been asked for t.q., but no business is reported.

ANTIMONY.—There has been some improvement in Chinese regulus on firmer cable advices, the terms now quoted being around £35 c.i.f. for near shipment. Holders on the spot have advanced their terms, and rather more business has been done chiefly in small lots, and prices for fair-sized lots range from about £38 to £38 10s. English refined remains at £54 to £55.

BALSAM TOLU is firmly held at 4s. 4d. per lb. on the spot while for shipment 4s. 3d. per lb. c.i.f. is talked of.

CADMIUM.—Under the dullness of demand experienced lately there has been an easier tendency to the market, and while spot parcels command about 4s. 1d. per lb., metal to

arrive or for shipment from Australia can be secured at a little below 4s. per lb.

CAMPOR (REFINED).—A firmer tone has followed a rumour to the effect that the authorities in the United States have placed a ban on the use of the synthetic product medicinally, but no confirmation of this is available. Values are, however, a shade better at 2s. 4d. for Japanese slabs on the spot, and 2s. 3d. c.i.f. for January-March shipment. The 4-oz. tablets are unchanged but firm at 2s. 11d. per lb. and 2s. 10d. c.i.f., while flowers are still selling at 2s. 7d. per lb. on the spot.

CLOVES are quiet. The week's statistics are:—Landings, 650 bales of Zanzibar and no Madagascar; deliveries, 153 Zanzibar and 115 Madagascar; stocks are now 2,373 Zanzibar and 2,400 Madagascar, making a total of 4,773 bales, against 11,553 last year, and 7,796 in 1927. The market was easier at the end of last week, but values have recovered, and there are sellers of Zanzibar on the spot at 1s. 5d. per lb. For shipment sales have been made in January-March position at 1s. 5½d. per lb. c.i.f., while March-May has been done at 1s. 5d. c.i.f.

COCOA BUTTER.—Prime English is easier as quoted at 1s. 3½d. per lb., and CFR is now down to 1s. 4½d. on the spot.

COD-LIVER OIL.—Finest medicinal Norwegian, new season's, for prompt shipment, has been bought at 120s. per barrel c.i.f. Reports on the prospects of the fishings are not yet to hand, but it seems reasonable to assume that the prevailing severe weather will cause difficulties.

ELM BARK to come forward is quoted at 1s. 2d. to 1s. 3d. per lb. c.i.f. in five lb. bundles, while the grinding quality is given as 1½d. per lb. c.i.f.

GALLS.—Chinese ordinary shaped, new crop, are offered at 52s. per cwt. c.i.f. for January-February shipment, and plum-shaped are given as 55s. 6d. per cwt. c.i.f.

GINGER.—Imports during the month of January were 11 tons, against 23 tons last year. Exports amounted to 23 tons, against 32 tons in 1928. The market is inclined firmer. West African has recovered and is now quoted at 53s., and for arrival February-April shipment is 47s. 6d. c.i.f., while March-May has been sold at 49s. c.i.f. Jamaican ranges from 80s. to 120s. on the spot. Cochin on the spot is 65s. for fair washed rough.

HYDRASTIS ROOT is quoted dearer for shipment at 14s. 6d. to 14s. 9d. per lb. c.i.f., according to quantity.

IPECACUANHA is in fairly good demand and firmer; holders are now asking 13s. to 13s. 6d. per lb. for good-testing Matto Grosso. Cartagena is quoted at 12s. 6d. and East Indian at 12s. 6d. per lb. on the spot.

ISINGLASS.—Most grades were sold at cheaper rates at the recent auctions. Exceptions were Penang and Saigon leaf, which were firmly held.

MAGNESIUM.—The amount of business done by home makers continues satisfactory, and their current output is apparently taken care of at prices ranging from 3s. 3d. to 3s. 9d., either for sticks or small ingots, and terms for wire range from 7s. 6d. to 12s. 6d., while powder is variously quoted at 4s. 6d. to 7s. 6d. per lb., according to quantity and quality.

MENTHOL is unchanged at 23s. per lb. on the spot for Kobayashi-Suzuki. For shipment business has been done January-March at 20s. 3d. per lb. c.i.f., and more distant shipment could probably be obtained at 20s. per lb. c.i.f. The present feature of this article, as with the oil, is the manner in which values fluctuate from day to day.

MERCURY.—So far as the London market is concerned there is a strictly hand to mouth business going on, with no sign of any eagerness to sell on the part of the chief holders. Of course, arrivals which were nil on balance during December and again probably extremely small during last month, tend to strengthen the position on the spot. There is no alteration in the first-hand price f.o.b. at £21 15s. per bottle, either for shipment from Spain or Italy. Current quotations on the spot here stand at £22 2s. 6d. to £22 5s., less the customary discount. The New York market is reported steady at \$121 to \$122, and we hear that fair quantities have been sold there through London at current quotations. In the Eastern markets some few inquiries are reported from China and Japan for fair quantities, but these have not matured into business so far.

PEPPER.—Landings in black during last week amounted to 50 tons, which, with 62 tons delivered, brought the stocks down to 1,141 tons, as compared with 4,993 in 1928, and 4,425 in 1927. There were 100 tons of white pepper landed, and 50 delivered, leaving the stocks at 359 tons, against 1,375 in 1928, and 1,758 in 1927. The Board of Trade returns show that imports during the month of January amounted to 861 tons, against 177 tons last year. The exports were 182 tons, against 298 tons in 1928. Market quotations have fluctuated during the week, but close about unchanged on the values quoted last week. Fair black Singapore is 1s. 5½d. per lb. on the spot, with sellers of January-March shipment at 1s. 4½d. c.i.f. Lampung is

1s. 5d. on the spot, 1s. 4½d. c.i.f. for January-March shipment, 1s. 3½d. to 1s. 3¼d. c.i.f. for March-May, 1s. 2d. c.i.f. for May-July, and 1s. 1d. c.i.f. for August-October. Tellicherry for January-March shipment has been sold at 145s. per cwt. c.i.f., with sellers of March-May at 140s. c.i.f. Sales of Aleppo for future delivery have been made at 142s. per cwt. c.i.f. White Muntok is firm at 2s. 3d. per lb. on the spot, 2s. 3½d. to 2s. 3¼d. c.i.f. for January-March, and 2s. 3d. to 2s. 3½d. for March-May shipment.

PLATINUM.—The tone is somewhat firmer with a more active demand, and prices range from about £13 12s. 6d. to £13 17s. 6d. Crude metal ranges from £11 10s. to £12 per ounce.

PIMENTO.—Last week the landings totalled exactly 100 bags, deliveries were 135, and this left 1,625 bags in stock, against 3,687 bags in 1928, and 2,709 in 1927. The value on the spot is unchanged at 1s. 6½d. per lb., but the quotation for shipment is easier at 112s. per cwt. c.i.f.

QUILLIA BARK on the spot is worth £47 10s. to £48 per ton, while shipment is quoted at £42 per ton c.i.f.

RUBBER is better, and at the close spot was sold up to 1½d. per lb. During the past few days business has been more brisk, and a fair amount of spot rubber has been sold off grades especially realising good prices. Furthermore, in view of the climatic conditions, several steamers have been delayed, with the result that the demand for immediate delivery has been general. New York cables report activity in the American market. The arrivals last week totalled 1,692 tons, whilst deliveries were 1,668 tons, showing a slight increase of 24 tons in the stocks. The London stock now stands at 25,413 tons, against 64,945 tons at the corresponding period last year. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and February 1½d.; March, 1½d.; April-June, 1½d.; July-September, 1½d.; October-December, 1s. per lb.

SAFFRON.—The position in Spain is much better, but this has been partially compensated by a decline in the value of the peseta. Values are, however, firmer, and quotations are now from 45s. to 50s., according to grade.

SEEDS.—There is little of interest to report, as most articles remain very quiet with little alteration in prices.

ANISE.—Spanish is 62s. 6d. and Russian 27s. 6d. per cwt.

CANARY.—Very little interest is shown. Mazagan is 19s. 6d. spot, and 20s. c.i.f. is quoted forward. Saffi is 19s. spot.

CARAWAY.—Dutch is 37s. 6d. spot. **CUMIN.**—Maltese is 54s. on the spot, and business in Morocco has been done at 47s. 6d. to 48s. on spot, with the market firm.

CORIANDER.—Morocco is 17s. 3d. spot and 16s. 3d. c.i.f. is quoted for forward shipment. **FENUGREEK.**—Morocco is 18s. spot and 17s. 3d. c.i.f. is quoted forward.

HEMP.—Manchurian is 20s. and Chilian 21s. 6d. spot. **LINSEED** is firmer. Mazagan is 20s. 6d. spot, and 21s. c.i.f. is quoted for forward shipment. **FENNEL.**—Indian is 68s. spot, and 65s. c.i.f. is quoted forward.

SHELLAC.—The Board of Trade returns show that imports during January were 776 tons, against 571 tons last year. Exports declined from 293 tons in 1928 to 182 tons last month. The market is slightly firmer, 200s. per cwt. being the closing quotation for usual standard TN orange quality. Fino orange ranges from 220s. to 320s., pure button is 235s., and AC cakey is 210s. per cwt. on the spot. To arrive business has been done in TN at 192s. 6d. per cwt. c.i.f. for January-March position. For delivery, March has been sold at 194s. to 195s., May at 194s. to 196s., and August at 197s. 6d. to 200s. per cwt.

SOYA BEANS are quoted at £11 8s. 9d. c.i.f. for February and/or March shipment.

SULPHUR.—There is a fair demand reported for American crude 99 per cent., which is quoted £5 12s. 6d. to £5 17s. 6d. per ton. Rates for refined are steadily held, with Sicilian flowers quoted at £12 7s. 6d., refined ground at £11, and roll at £9 15s., all c.i.f. to arrive.

TURMERIC is dull. Madras fine fingers on the spot are quoted at 37s. 6d., with the shipment value at 32s. 6d. c.i.f. Cochin split bulbs for shipment are quoted at 18s. c.i.f. Landings during the month of January totalled 10 tons, against 29 tons last year, while deliveries were 40 tons, against 29 tons in 1928. The stocks at the end of the month were 113 tons, against 165 tons in 1928 and 255 tons in 1927.

Essential Oils

INCREASES in every direction are features of the Board of Trade Statistics for last month, and from these it would appear as though about 20 to 25 per cent. more essential oils are circulating. The intense cold being experienced on the Continent is almost sure to affect crops in the coming season, but no information as to the extent of the damage is yet available. The unusual temperature of 20° below zero has been experienced in Bulgaria, and rose trees are bound to be damaged. The feature of the week is a strong advance in orange oil. Spearmint and wormseed are both

firmer, while Japanese dementholised peppermint, juniper berry and bergamot are inclined easier.

The following are the quantities and values of natural essential oils (other than turpentine) imported into and re-exported from Great Britain during January 1929, compared with the same months in 1927 and 1928:—

		1927.	1928.	1929.
January imports	lb.	280,673	346,045	411,451
"	value	£74,472	£92,323	£117,254
January re-exports	lb.	55,036	56,835	68,510
"	value	£23,718	£23,939	£33,167

ANISE (STAR).—"Red Ship" on the spot is unchanged. Leads are quoted at 2s. 7d. per lb. on the spot and 2s. 4d. c.i.f. for shipment.

BERGAMOT.—Some attention is now being directed towards this article, but the position is again easier for shipment at 20s. per lb. c.i.f. The spot value is 20s. 6d. to 21s. per lb., according to seller, and in view of the comparatively strong position of the other citrus oils, this appears to be an opportune time to make purchases.

CALAMUS.—Dutch is quoted at 15s. per lb. on the spot.

CARAWAY.—Crude Continental of specific gravity 0.908 is quoted at 7s. per lb. on the spot in quantity, with the rectified about 3d. per lb. dearer.

CASSIA is unchanged. Oil which has passed a London analysis is quoted at 5s. 3d. per lb. on the spot, while the shipment value is 4s. 8d. to 4s. 9d. per lb. c.i.f.

CINNAMON BARK.—Genuine pure Ceylon is quoted at 160s. per lb. with B.P. quality at 30s. per lb. and the special grade at 25s. per lb.

CINNAMON LEAF is neglected at 7s. per lb. on the spot and 6s. c.i.f., both values being purely nominal.

CITRONELLA.—Java on the spot is still available at 1s. 1½d. per lb., and some business for shipment is reported at this figure c.i.f. Ceylon is without interest, but inclined firmer at 1s. 9d. per lb. on the spot and 1s. 8d. c.i.f.

CLOVE.—English distilled from first hands continues to be quoted from 10s. to 10s. 6d. per lb. as to quantity.

CUBEB.—B.P. quality on the spot is worth 12s. 6d. per lb.

DILL.—Indian is quoted at 9s. per lb. on the spot, with Dutch, B.P., at 14s.

EUCALYPTUS.—A firmer tone is evident, following on the increased demand, but values are unchanged at 1s. 9½d. per lb. for 70-75 per cent. and 1s. 1½d. per lb. for the 80-85 per cent.

FENNEL.—Sweet Dutch is worth 5s. per lb. on the spot.

GERANIUM.—Bourbon is unchanged at 18s. 6d. per lb. on the spot and 18s. 6d. c.i.f. to arrive. Algerian is quoted at 16s. 6d. per lb. on the spot.

JUNIPER BERRY is a shade easier at 5s. 8d. per lb. on the spot for B.P. (exot.) quality in small quantities and 5s. 6d. in 500-lb. lots.

LEMON is unchanged though firm. The absence of a higher price is probably due to the heavy arrivals which have taken place during the week. The spot value of Sicilian is 14s. to 14s. 3d. per lb. for the best brands, and the shipment quotations are all in the neighbourhood of 14s. per lb. c.i.f.

LEMONGRASS on the spot is still very weak at just under 3s. per lb., while the forward quotation has fallen away to 2s. 9d. c.i.f.

LIME.—West Indian distilled is now worth 30s. per lb. on the spot.

MANDARIN on the spot is quoted at 30s. per lb.

NUTMEG on the spot is worth 6s. 6d. per lb. for B.P. quality.

ORANGE is dearer and difficult to obtain at the source. Recent quotations for sweet Sicilian now range from 20s. 6d. to 21s. per lb. c.i.f., and it is expected that active demand would cause further advances. On the spot the nominal value is 21s. per lb., but second-hand supplies could no doubt be had at less. West Indian is now 19s. per lb., nominal, on the spot, although business was done earlier in the week at 17s. 6d. per lb.

PEPPERMINT.—American natural tin oil is neglected and unchanged. The spot value is 14s. per lb., with shipment quotations ranging from 13s. 6d. to 13s. 9d. per lb. c.i.f. H.G.H. is quoted 19s. per lb. on the spot and 18s. c.i.f. Japanese dementholised has fluctuated considerably over the week, and was at one time down at 6s. 3d. per lb. c.i.f. Kobayashi-Suzuki closes at 6s. 10½d. to 7s. per lb. on the spot, with January-March shipment quoted 6s. 4½d. to 6s. 6d. c.i.f.

PINE.—Tyrol rectified is worth 3s. 6d. per lb. on the spot, while superior Dutch is quoted at 6s. 9d. per lb.

ROSEMARY.—The cold in Spain is said to have affected the plants, and as distillation commences at the beginning of April the producers are holding what supplies they possess. The value of good quality on the spot is from 2s. 2d. to 2s. 3d. per lb., according to quantity.

SPEARMINT is inclined firmer at 18s. 6d. per lb. c.i.f. for shipment, and 19s. 6d. on the spot.

SPIKE.—The price of Spanish on the spot is 3s. 2d. per lb., but producers are sitting on their stocks and demanding 3s. 3d. per lb. c.i.f., so that an appreciation in the spot value seems inevitable.

VALERIAN.—Dutch is quoted at 20s. per lb., while oil from Japanese roots stands at 18s. per lb. on the spot.

WINTERGREEN.—Java is quoted at 11s. 6d. per lb. on the spot.

WORMSEED (CHENOPodium) is a shade firmer, shipment now being 8s. to 8s. 3d. per lb. c.i.f., with the spot value at 10s. per lb.

The following arrivals have taken place from the countries indicated during the period February 6 to February 12 (inclusive):—Almond (Fr.) 30 cs., (U.S.) 2 cs.; bay (B.W.I.), 5 cs.; borage (It.), 31 cs.; cassia (Ch.), 10 cs.; cedarleaf (U.S.), 1 dm.; citronella (Cey.) 3 dm.; copaiba (U.S.), 12 cs.; eucalyptus (Aust.) 40 cs. 8 dm. (Jp.) 1 dm., (Ger.) 2 dm.; geranium (Fr.), 1 dm.; gingergrass (Br. Ind.), 5 cs.; lemon (Belg.) 29 cs., (It.) 357 cs., (U.S.) 3 dm.; lemongrass (Br. Ind.), 14 dm.; nutmeg (U.S.), 12 cs.; orange (It.) 44 cs., (B.W.I.) 5 cs.; patchouli (U.S.), 4 cs.; peppermint (Jp.) 145 cs., (U.S.) 3 dm., (Fr.) 10 cs.; rosemary (Sp.) 1 dm.; undescribed (U.S.) 8 dm., (Ger.) 1 cs., (Fr.) 1 cs.

Pharmaceutical Chemicals, etc.

THERE is little change of importance to record this week. Prices are keeping steady throughout, while the amount of business passing is fairly good. Citric acid is dearer forward. Benzoic acid is dearer from home makers.

ACETANILIDE continues rather slow: B.P. crystals and powder, 1s. 4½d. to 1s. 6d. per lb., as to quantity.

AMIDOPYRIN is unchanged, with the market still generally quiet: quoted on spot from 7s. 6d. to 7s. 9d. per lb.

ASPIRIN.—The position in this important market is still unsettled; orders can be placed for big quantities of one or more tons at about 1s. 2d., while a few cwt. lot might cost a halfpenny more; small parcels about 2s. 3d. to 2s. 4d.

BARBITONE remains quiet, with spot values unchanged at about 5s. 6d. to 5s. 9d. per lb.

BENZOIC ACID (B.P.).—As anticipated in last week's report, the home makers have advanced their prices: quantities, ex works, 2s. 1d.; smaller parcels, ex store, about 2s. 3d. per lb.

BROMIDES.—The position is unchanged on the week; some few odd parcels are offering at slightly under former rates, but the usual sources are ignoring this temporary competition: dealers quote ammonium, 1s. 11d.; potassium, B.P. crystals, 1s. 7½d.; granular, 1s. 7½d.; sodium, B.P., 1s. 9½d. to 1s. 10d. per lb. in cases. British makers' list prices are unchanged: ammonium, 2s. to 2s. 3d.; potassium, B.P., 1s. 8½d. to 1s. 11½d.; sodium, B.P., 1s. 11d. to 2s. 2d. per lb., as to quantity.

CALCIUM LACTATE is a fairly bright market: quantities from 1s. 2d. to 1s. 2½d. per lb.; smaller parcels, about 1s. 3d.

CHLORAL HYDRATE is unchanged on a rather poor market: duty-paid crystals, 3s. 1½d. to 3s. 3d. per lb., ex store.

CITRIC ACID (B.P. crystals).—The chief alteration to record is a further advance in the forward quotation from Italy to 2s. 1½d. per lb., less 5 per cent., c.i.f. U.K. The spot position is steady at about 2s. 1½d. to 2s. 2d. per lb., less 5 per cent., for fair quantities.

CREOSOTE (B.P.) is unchanged, with the spot price at 1s. 8d. per lb., for quantities in demijohns.

CREOSOTE CARBONATE is offering on spot in fair quantities at about 5s. 10d. to 6s. per lb.; market remains slow.

GUAIACOL CARBONATE.—Prices vary from 4s. 8d. to 4s. 10d. per lb.; some holders are not accepting the lower rate.

HEXAMINE is unchanged; quantities of free running crystals, 1s. 11d. to 2s. 1d. per lb.

LACTIC ACID (B.P.) continues at the controlled prices: five-ton lots, 1s. 6½d., up to 1s. 10½d. per lb. for small parcels.

METHYL SALICYLATE (B.P.) continues to be quoted at about 1s. 4d. to 1s. 6d. per lb., as to quantity; market is quiet.

POTASSIUM PERMANGANATE (B.P.) is very quiet: quantities in drums at 5½d.; small parcels from 6d. per lb.

POTASSIUM SULPHOGUAIACOLATE remains flat, with prices varying as to quantity from 3s. 8d. to 4s. per lb.

SODIUM BENZOATE (B.P.) tends to harden, and is at present firm at the quoted rates: quantities in two-cwt. barrels, 1s. 7½d.; in one-cwt. barrels, 1s. 8d.; small parcels, 1s. 8½d. per lb.

SODIUM SALICYLATE (B.P.).—A fair business is moving: crystals, 1s. 7d. to 1s. 8d.; powder, 1s. 6½d. to 1s. 7d. per lb., in cases, as to quantity.

SULPHONAL is a quiet market, with dealers quoting from 6s. 3d. to 6s. 6d. per lb.

TANNIC ACID continues in fair demand on a steady market: quantities at about 2s. 10d.; smaller parcels, about 3s. per lb.

TARTARIC ACID (B.P. crystals).—A fair amount of business continues on spot, with prices about unchanged on the week:

quoted from 1s. 4½d. to 1s. 4½d. per lb., less 5 per cent., as to quantity.

VANILLIN is unchanged on a slow market: 100 per cent. from cloves, 17s. to 17s. 6d.; ex guaiacol, 14s. 9d. to 15s. 3d.

Industrial Chemicals, etc.

London, February 13.

A FAIR volume of business continues in this market, and the general tone is steady. Acetic acid has been active; sal ammoniac is short on spot and firm; copper sulphate is higher; sodium acetate is slightly easier.

ACETIC ACID has been in brisk demand: 80 per cent. technical, £36 15s.; 80 per cent. pure, £37 per ton, in barrels; glacial, pharmaceutical, 99-100 per cent., £66, in glass demijohns; glacial, in barrels, £56 per ton, ex store.

ACETONE continues firm on a bright market, with spot supplies well sold: B.G.S., ten-ton lots, £76 10s.; five-ton lots, £78 10s.; one to five-ton lots, £81; less than one ton, £85 per ton, in drums, ex store.

ALUM is rather slow: lump, £8 5s. per ton, in casks, ex store; slightly cheaper forward in quantities.

AMMONIUM CHLORIDE is a bright market, with dealers' prices for grey galvanising £21 10s. per ton, in casks, ex store; slightly cheaper for contracts.

ANHYDROUS AMMONIA is receiving good attention: 99.95 per cent. material, in loaned cylinders, 10d. to 1s. per lb., carriage paid; slightly less for big contracts.

ARSENIC.—There is not much life in the demand, but the market shows some resistance on the basis of £16 to £16 15s. per ton f.o.r. mines for white Cornish 99 per cent. There is a little Mexican high-grade offering, but the price asked, £17 5s. c.i.f. Liverpool, is too high to attract buyers.

BARIUM CHLORIDE.—The 98-100 per cent. white crystals are quoted £11 5s. to £11 10s. per ton, in casks, ex store; forward, £9 10s., f.o.b. Continent.

BLEACHING POWDER is unchanged, with the market offering two sources at about £6 12s. 6d. to £7 per ton, carriage paid, for 35-37 per cent., in casks.

CAUSTIC SODA continues unchanged at the home makers' prices for home consumers on contract.

COPPER SULPHATE.—The export demand has been maintained on a fairly active scale in a rising market, and quotations are again higher on the basis of £23 10s. to £29 for casks f.o.b., less 5 per cent. discount.

CREAM OF TARTAR has been in fair call, with prices for spot foreign steady at 93s. to 95s. per cwt., less 2½ per cent., as to quantity.

ISOPROPYL ALCOHOL has been in good inquiry, with prices at 11s. to 12s. per gallon, in drums, for fair quantities.

LITHOPONE is rather quiet: dealers quote 30 per cent. Continental red seal at £19 10s. per ton, in casks, ex store; slightly cheaper for contracts.

OXALIC ACID continues in usual demand, with prices for quantities at £30 per ton, ex wharf; small lots, 32s. per cwt., ex store.

POTASH CAUSTIC.—There is no change in Convention prices: 88-92 per cent. solid, spot, less than one ton, £36 15s.; one to five tons, £33 5s.; five to fifteen tons, £32 15s. per ton, in drums, ex store; c.i.f. 30s. per ton less in all cases.

POTASSIUM CARBONATE is quiet: 90-92 per cent., £25; 96-98 per cent., £26 per ton, in casks, ex store; slightly less for contracts.

POTASSIUM PRUSSIAN continues in fair demand, with the market steady: yellow, £63 10s. to £65 10s.; single casks, 7d.; small parcels, 7½d. per lb.

SAL AMMONIAC is a bright market, with spot supplies limited: dog-tooth crystals, £32; medium, £29 7s. 6d.; fine white crystals, £18 12s. 6d. per ton, in casks, ex store; slightly less for contracts.

SELENIUM.—The tone is steady and quotations for good quality black powder range from 7s. 8d. to 7s. 9d. per lb., delivered to warehouses.

SODIUM ACETATE is slightly easier, with spot quoted at about £21 10s. per ton, in casks, ex store.

SODIUM HYPOSULPHITE is meeting with a fair call: dealers quote pea crystals in one-cwt. kegs at £15 to £15 2s. 6d.; commercial quality, £9 10s. per ton, in casks; British makers' price for pure crystals to home consumers on contract, £15 per ton, carriage paid to buyer's station.

SODIUM NITRATE continues steady but quiet: 100 per cent. basis, £19 17s. 6d. per ton and 20s. 6d. per cwt., docks, London.

SODIUM PRUSSIAN continues in fair demand: quantities at 4½d. to 4¾d.; small parcels from 5d. per lb.

COAL TAR PRODUCTS, ETC.—Pitch shows a further slight fall. Creosote oil for home trade is cheaper. Other products are unchanged. **ANILINE OIL** is quoted from 8d. per lb., packages extra, carriage paid. **ANILINE SALT** is unchanged at 8d. per lb., carriage paid, for quantities. **BETANAPHTHOL** continues unchanged, as quoted from 10d. per lb., carriage paid, for quantities. **CARBOLIC ACID** crystals is in limited demand, with the market steady: quoted at 6½d. per lb., carriage paid or f.o.b., in drums with over-casks for minimum five-ton lots;

crude carbolic 60's 1s. 11d. per gallon, naked at works. CREOSOTE OIL is cheaper for home trade: ex works, 4½d. to 4½d.; f.o.b., 6½d. per gallon, in bulk quantities. CRESYLIC ACID is dull: pale 97-99 per cent., American specification, 2s. 3d. to 2s. 4d. per gallon f.o.b., drums extra; darker grades at cheaper prices. NAPHTHALENE is unchanged on a quiet market: imported flakes and balls, £15 10s. per ton, in cases, ex wharf. METHYL ALCOHOL is in active demand: spot £45 per ton, in drums, ex store, and cheaper forward in quantities. PYRIDINE continues slack: nominal at 4s. 6d. per gallon, f.o.b. TOLUOL is doing limited business: prices are unchanged; commercial 90's, 1s. 7d.; pure, 1s. 10d. per gallon at works. XYLOL continues dull: commercial, 1s. 7d.; pure, 1s. 10d. per gallon, at works. PITCH is again easier at 32s. 6d. per ton, f.o.b. East Coast. The market is quiet.

Fixed Oils, etc.

DEMAND is moderate. Palm oils are again dearer on quotation, but the market is easier. Rape oil is dearer and firm. Linseed oil is dearer with an advance in seed. Turpentine is easier and dull. ACID OILS.—Slightly cheaper on a slow market; coconut/palm kernel, 34s. 9d.; groundnut, 30s. 6d.; soya, 27s. 9d. spot. CASTOR.—Prices have advanced but the market is dull; pharmaceutical, 51s.; first pressings, 46s.; second pressings, 43s. 6d. spot. COCONUT.—Market is quiet; deodorised, spot, 45s.; Ceylon, c.i.f., 38s.; Cochín, c.i.f., 47s. COTTON.—Market is firm at full rates; deodorised, 39s. 6d.; common edible, 37s. 6d.; soapmaking, 34s. 6d.; crude, 32s. spot. GROUNDNUT.—Market is dull with deodorised on spot at 48s.; crude Oriental, c.i.f., 39s. 6d. PALM KERNEL.—Market continues quiet; deodorised, about 44s.; crude, 39s. 3d. spot. PALM.—Prices show a further slight premium this week, but the market is at present slack; Lagos, 40s.; softs, 39s. 6d.; mediums, 39s. 6d.; hards, 39s. 9d.; bleached, 42s. 6d. spot. RARE.—The market is firm and dearer; refined, 46s. 9d.; crude, 44s. 9d. spot. SOYA.—Market has been quiet; deodorised, 41s.; crude, 33s. 6d. spot. LINSEED (raw, naked).—Prices show an advance on the week; on spot, 30s.; February, 29s.; February-April, 29s.; March-April, 28s. 10½d.; May-August, 29s. 3d.; September-December, 29s. 7½d.; boiled oil, spot, 34s.; Hull, on spot, 23s. 7½d.; February, 23s. 7½d.; March-April, 23s. 9d.; May-August, 29s.; September-December, 29s. 3d. TURPENTINE.—The tone here has been affected again by easier cable advices from America, while the recent improvement in the demand was not sustained, and prices thus gave way again a little further. Deliveries for last week were quite good at 1,136 barrels, making a total since January 1 of 10,104 barrels, against 11,410 barrels for the same period last year. Stocks declined to 29,690 barrels, compared with 56,873 barrels a year ago, and with landings amounting to 1,224 barrels, the London visible supply makes up at 30,914 barrels, which compares with 56,873 barrels a year previous. The market closes steadier at 45s. 9d. per cwt. on the spot, and 46s. 3d. per cwt. c.i.f. for March-April shipment. RESIN.—Only a limited amount of business was done and prices were inclined to ease further, being as follows on the c.i.f. basis:—B/D, 17s. 4½d. to 18s. 1½d.; E, 18s. 9d.; F/G, 19s. 1½d. to 19s. 3d.; H/I, 19s. 6d. to 19s. 7½d.; M/N, 20s. 1½d. to 21s.; W/G, 23s. 1½d.; and W/W, 25s. 9d. Terms ex-wharf are 6d. more per cwt., with sellers on that basis. WOOD.—Hankow in barrels on spot is dull; quoted at about 73s. 6d.

LUBRICATING, MINERAL, BURNING OILS, ETC.—The market continues steady with no change of importance to record. BENZOL continues active on a firm market, with 90's standard motor 1s. 6d. per gallon, ex works, in tank wagons; ex London works 2d. per gallon more. FUEL OIL is unchanged: 950 gravity, £3 7s. 6d.; 890 gravity, £4 per ton, ex tank; slightly cheaper forward. PARAFFIN OILS.—The market continues unchanged: American standard white, 10½d.; water white, 11½d. per gallon, in barrels, ex wharf. PARAFFIN WAX AND SCALE.—Wax is quiet as quoted from 3d. to 5d. per lb., according to melting point, in bags; scale is quoted for shipment at about £23 17s. 6d. per ton, c.i.f. London. WHITE OILS are in fair demand, with prices unchanged: special No. 1, £23 10s.; No. 1, £23; No. 3, half white, £20 10s.; No. 4 half white, £19 15s. per ton, drums and barrels free, ex wharf. SOLVENT NAPHTHAS.—A moderate amount of business is moving: 90-160, 1s. 1d. to 1s. 2d.; heavy, 90-190, 1s. to 1s. 1d. per gallon, naked at works. PETROLEUM JELLIES are quiet: white to snow white, £38 10s. to £47 10s.; amber and yellow, £17 15s. to £22; dark stiff green, £11 12s. 6d.; per ton, barrels free, ex wharf. LUBRICATING OILS are active, with no change in prices: spot, pales, £10 to £22 10s.; reds, £11 5s. to £22; dark cylinders, £13 5s. to £33 10s.; filtered cylinders, £21 to £34 per ton, less 2½ per cent. SOLUBLE OIL and CUTTING COMPOUNDS continue unchanged at £20 to £28 per ton net. No. 1 RUSSIAN OIL is offering on spot at £14 per ton, less 2½ per cent., barrels free, ex wharf.

Japanese Agar-Agar

AGAR-AGAR is produced during the winter months by farmers in the mountainous region, near Kobé. These manufacturers operate on a very small scale, and have such limited means that they would be unable to engage in the exportation of their products, even if they possessed a sufficient knowledge of English and of export procedure to permit direct transactions. Consequently, the export trade is in the hands of brokers and exporters in Kobé and Osaka. These houses assemble shipments (the agar-agar arriving in Kobe in a loose condition), inspect the quality, pack the shipments for export, and perform the intricate documentary work necessary to clear the shipments through the banks and the customs. They operate on a commission basis, or, if desired, quote firm prices c.i.f.

Italian Sumac

ACCORDING to the United States Consul, at Palermo, sumac has advanced in price. Visits to the sumac districts throughout Sicily have shown conclusively that reports which had previously been made concerning the abandonment of many of the fields were true. Weeds have been allowed to grow in with the sumac, and many farmers have expressed the opinion that the cultivation is not a paying proposition. The expense of production, crop gathering, and transport to the shipping port is stated to be too great to encourage its growth. It is also believed that the attention of the National Government in Rome has been drawn to the fact that many of the sumac fields are being abandoned, and steps are being taken to put this crop culture on a sounder basis. Much of the sumac of the 1928 crop is of inferior quality, and the comparatively cool summer has damaged the quality.

Indian Turpentine

THERE are two concerns in India producing turpentine and resin—the Jallo Resin and Turpentine Factory, Lahore, and the Indian Resin and Turpentine Co., Ltd., Cawnpore. The output of the two factories is in excess of domestic requirements and moderate quantities are exported, mainly to Europe, Java, China and Australia. Expansion of the industry is evidenced from the following figures:—

	Production (both factories)	
	Resin (cwt.)	Turpentine (gals.)
1914	20,000	60,000
1923	38,000	200,000
1927	92,840	296,920

The foreign trade of India in turpentine and resin for the fiscal years 1926-27 and 1927-28 and six months of 1928 was as follows:—

	Imports	Six months	
	1926-27	1927-28	1928
	cwt.	cwt.	cwt.
Turpentine	7,087	5,869	5,064
Resin	23,179	27,890	13,579

Resin exports for the past ¾ fiscal years were respectively 20,909 cwt., 20,961 cwt., and 18,066 cwt. There was no record of turpentine exports.

Australian Peppermint Oil

EXPERIMENTS in the cultivation of peppermint in Australia with a view to commercial development were first made in 1920 (says the Bulletin of the Imperial Institute) on the initiative of Plaimar, Ltd., Perth, W.A., and oil distilled by them during the three following years was found on examination to compare very well with English peppermint oil. Up to the middle of 1927, 175 lb. of oil had been produced, and the price obtained in 1926 was stated to be £7 per lb. The average yield of oil per acre from a full bearing crop is said to be 20 lb. In 1927 the Commonwealth Tariff Board received an application from Plaimar, Ltd., for a bounty of 40s. per lb. on all peppermint oil produced in Australia for the period of five years. Although the oil up to that time had cost more than £7 per lb. to produce, it was anticipated that with 25 acres under cultivation the company would be able to produce peppermint oil at 15s. per lb., and that at the end of five years the production from 100 acres would represent about 11 per cent. of the Commonwealth annual requirements, the latter being estimated at 18,000 lb. The company was of the opinion that with the above bounty other growers would enter the industry, which would then become self-supporting and the importation to a large extent, become unnecessary. The Board were unable to agree as regards the amount of the bounty, but in view of the disabilities peculiar to Western Australia by reason of its geographical situation and other local conditions, they recommended that a bounty at the rate of 15s. per lb. be paid to all peppermint oil of marketable quality produced in Australia for five years.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

The Need of the Day

SIR,—The question of patent medicines and their increasing demand is for ever before us. I would like to bring to your notice a scheme which I have seen successfully worked. Few chemists can afford to pay for a lithographed or elaborate get-up for their proprietary lines; also, few can spend the money on showcards, advertising, etc., to bring their proprietary into the patent-medicine popularity. This scheme actually does this. A responsible firm—our Retail Pharmacists' Union could easily do it—has labels, cartons and show material printed. These are sold to the chemist; the formula and type of package or container used are also given. The chemist manufactures the line from his own materials, and thus secures all the profits. The effect of the scheme is this: a definite name (say Jones's) is used, and when the public see Jones's preparations in every town they go to and in practically every chemist's shop the lines commence to move. There is this also about it—that the lines being more profitable than similar ones received from packing houses, they receive more attention from chemists and are pushed on every occasion. Good formulas, standardised prices, first-class get-up and good profits are ensured; and if the R.P.U. took it up, there would be little likelihood of leakage to unqualified hands. The main factor is co-operation; and this is so doubtful a feature in our community that I hesitate to suggest that the scheme is capable of extension to national advertising of the lines in the series. It is high time someone in our midst dug out the faculty which must be lurking in every chemist's mind, that he is not here on earth to provide plush for the seats of the patent-medicine manufacturer's motor-car.—Yours faithfully,

A. A. SANDERS.

Alsager.

SIR,—For three weeks I have been ill, and I find the writing of letters somewhat of a strain. However, as I had some responsibility for the initiation of this discussion, perhaps a few words from me will not be out of place. Some of your correspondents suggest that Ucal meets our needs. To my mind, in its present range and operation, it certainly does not. But either Ucal or other good wholesale houses, owned by the trade and run for the trade, could be made the effective instrument we are seeking. What we need is a conscious, deliberate determination by individual chemists that they are going to control their business, and by co-operative effort bring the advantages of mass production and big buying into the individual pharmacy. I believe that by corporate action it can be done, and that the attrition and absorption which afflict our craft can be arrested. Our commercial salvation is in our own hands, and it behoves all of us to put our brains into the common stock in order to save the calling by which we earn our bread from ultimately being practised only in chain stores, co-operative societies, and little one-man pharmacies situated in side and back streets. As I see it, that is the danger. My belief is that our salvation will be found in co-operative trade association.—Yours faithfully,

PHARMACOPOLIST (11/2).

SIR,—Evidently my letter was not as plain as it might have been. When I wrote "we have plenty of leaders," I meant the councillors of the Pharmaceutical Society, R.P.U. and P.A.T.A. Personally, I do not think an entirely new organisation necessary; my letter was rather in the nature of a feeler to find out whether the London and suburban associations could link up with each other in some way for united action. Had we been united earlier on, we could have dictated terms to some proprietary manufacturing firms who for the moment have the laugh of us. A refusal to stock or supply any article to retail at 1s. 3d. and 3s. which cost about 14s.

and 34s. per dozen respectively might bring manufacturers to heel, but it is no good a few men here and there refusing; concerted action is wanted. Judging by the prescriptions one gets, there are very few pharmacists in London who charge THE CHEMIST AND DRUGGIST or "National" list prices, nor is any code word for marking used; and all sorts of retail prices for ordinary goods are charged. More unity is wanted here; we want fair prices for the public, for ourselves and those who will follow us. Another thing is the growing sale by wholesalers to outside firms, offices and works of P.A.T.A. lines, which the staffs are able to purchase at practically cost price, including poisonous preparations (presumably wholesale transactions). A referendum to each member from headquarters might take the place of any central organisation. I mentioned London and Greater London because I think united action from there would give a lead to the whole country. My remarks applied more particularly to the P.A.T.A., who have a difficult task, but with the active support of every member could increase their good work.—Yours faithfully,

W. E. GAZE.

Highams Park, E.4.

SIR,—I read the correspondence columns in your splendid journal, and maybe because I am not a pharmacist or interested in the retail side of the trade I see most of the game. I feel certain that not one of the present associations can fill the "need of the day." What is necessary is for all pharmacists to pool some capital, and own and control their own manufactory and distributing house. This is necessary now, but it will be more necessary in the near future, as I know there is still capital available for expansion by the multiple concerns. There are approximately 9,000 retail pharmacists in this island, and if they subscribed about £5 to £10 each, they could equip and own their own factory and distributing house and cut their purchases by about 20 per cent. Some of your correspondents speak of the good work of the P.A.T.A., but how many of them can buy the maximum quantities to enable them to secure the minimum rates? None of them individually—but the multiple shops can and do, and thus the P.A.T.A. puts the retail pharmacist at a disadvantage.—Yours truly,

ONLOOKER (12/2).

Merchandise Marks Order

SIR,—The new Merchandise Marks Order (C. & D., January 26, p. 83) introduces yet another minor worry to the chemist. Among other things which have to be marked with the indication of origin is gutta-percha temporary stopping; how is one to mark all the penny and threepenny pieces of tooth-stopping in stock with the necessary wording? Another item which seems to offer difficulty is artificial teeth; has each tooth to be marked? If so, it seems that there is a possibility of some awkward contretemps if they were marked in the wrong place. It is also going to be difficult to mark small goods such as cuticle and nail scissors—or does Section 3 indicate that it is sufficient to mark the card on which they are displayed without marking each separate article? In any case it is the wholesaler or retailer who is responsible for the marking, and not the manufacturer; surely it is much easier to mark goods during the process of manufacture than afterwards?—Yours truly,

ORIGANUM (5/2).

Dispensing Notes and Difficulties

Calcium Lactate in Mixtures

SIR,—Should calcium lactate be dissolved or suspended when ordered in mixtures?—Yours, etc.,

LACTATE (5/2).

[The difficulties with calcium lactate arise from the fact that this salt undergoes a change on keeping which makes it go into solution more slowly. When the quantity ordered is within the limits of solubility (1 in 18.5), a clear mixture should be sent out. Larger quantities can be dispensed in suspension, adding compound tragacanth powder if necessary, but good pharmaceutical samples will readily diffuse without a suspending agent.]

An Acetylsalicylic Acid Query

SIR,—Can you tell me what action takes place in following mixture? :—

Ac. acetylsal. ... 3ij.
 Liq. amm. acct. conc. (1-7) ... ʒiv.
 Aq. chlorof. ... ad ʒxij.

Yours, etc.,

T. T. L. (6/2).

[The acetylsalicylic acid goes into solution in the presence of solution of ammonium acetate. The explanation lies in the fact that ammonium acetate is readily hydrolysed with the production of acetic acid and ammonia, and the latter combines with the acetylsalicylic acid to form the soluble ammonium salt.]

Legal Queries

L. C. (5/2).—It is illegal for a dispenser at a hospital to supply any of the honorary medical staff with a "dangerous" drug. The authorisation is for the hospital only.

Storax (7/2).—If the syr. cocillanæ co. in your prescription contains diamorphine or diamorphine hydrochloride, the prescription comes under the Dangerous Drugs Acts. Some makers of this syrup are, as you may be aware, now supplying it without diamorphine.

F. N. (7/1) has bought a leasehold house and shop for £1,500. What is his solicitor entitled to charge? [The scale fee is £26 13s. 4d. if the title is not registered and half that amount if the title is registered. In addition, "F. N." will have to pay the stamp duty, £15, and other disbursements.]

J. (1/2).—Pulv. ipecac. co. contains 1 per cent. of anhydrous morphine, therefore a dilution 1 in 5 just comes within the Dangerous Drugs Acts when the diluent consists of other ingredients: consequently a dilution 1 in 6, as in your prescription, is outside under any circumstances.

Harford (22/1).—In the case of prescriptions calling for a preparation contained in the British Pharmacopoeia, the British Pharmaceutical Codex, or the National Health Insurance Drug Tariff, in which a "dangerous" drug figures as an ingredient, it is not necessary for the prescriber to indicate on the prescription the total amount of the "dangerous" drug to be supplied. Therefore, when Linctus Diamorphinae B.P.C. is prescribed it is not necessary for the prescriber to state the amount of diamorphine hydrochloride actually contained in the amount to be dispensed.

J. B. (2/1).—INSURANCE ITEMS DISALLOWED.—Whilst Insurance Committees are empowered to decide in the first instance what articles or preparations shall or shall not be allowed, they are not intallible. Any medicine required by an insured person should be supplied if ordered by the doctor. Any prohibition by an insurance committee should be on the ground that the article in question is not a medicine. The Minister of Health is not empowered to decide this question of what is or is not a medicine, but he may be brought into a particular case on appeal in circumstances such as the following:—(1) If an insured person complains that his doctor has refused to order for him a preparation that in the doctor's opinion is not a drug or a medicine; (2) if an insured person complains that a chemist has refused to supply something ordered by his doctor; (3) if a chemist complains that an Insurance Committee has refused to pay him for something he has dispensed, which was ordered by a doctor on an insurance prescription. A doctor who felt aggrieved by any pronouncement of an Insurance Committee could easily engineer a complaint by an insured person. Any complaints, however, of the nature indicated would have to be well grounded in order to succeed. The complaints would be heard by the Insurance Committee, and if the complainant were dissatisfied with the committee's ruling he could appeal to the Minister.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

J. G. T. (22/18).—LIME CREAM.—The mineral oil should be replaced with vegetable oil.

W. H. D. (23/18).—ACRIFLAVINE AND LIQUID PARAFFIN.—Martindale ("Extra Pharmacopoeia") gives the following method of making an emulsion: Dissolve 0.1 gm. acriflavine in 1 gm. alcohol 90 per cent. The substance may not dissolve entirely. Samples vary, but the particles should be in as fine a condition as possible. Heat 1 gm. of white wax with 99 gm. of liquid paraffin to 110°-120° C., then gradually add it to the alcoholic solution with continual stirring. This produces an emulsion which is relatively permanent. Stronger or weaker products can be made in the same way.

Dora (28/18).—OINTMENT FOR COW'S UDDER.—This preparation appears to be merely palm oil of a good aromatic quality, almost certainly a variety from the Congo. A search for several likely remedies as well as general tests indicated absence of any medicament.

W. M. N. (Kenya) (30/128).—COD-LIVER OIL APPLICATION.—The way to overcome the oily nature of the cod-liver oil in order to use it as an external application on animals would be by making an emulsion. Try 5 per cent. liquor potassæ or 10 per cent. liquor calcis. Neither quillaia nor saponin is any good.

J. T. D. (4/28).—COVERING TURPENTINE ODOUR.—Nitrobenzene (oil of mirbane) is frequently used in boot polishes and similar preparations to cover a disagreeable odour.

W. B. (4/28).—STORAGE OF DILUTE SULPHURIC ACID.—At normal temperature the action upon lead of sulphuric acid 140°-150° Tw. is very slight. The impurities in ordinary lead have a considerable influence on its resistance to the action of the acid under different conditions. At ordinary temperatures the purest lead is least attacked by concentrated or dilute acids. According to Arendt's "Storage Batteries," the diluting of electrolyte (i.e., sulphuric acid) "and its subsequent storage should be in glass, heavily glazed earthenware jars, or best of all in lead-lined tanks."

L. P. (7/28).—ARSENIC CONTENT OF WEED KILLERS.—The arsenic content of proprietary weed killers varies from $\frac{1}{2}$ to 2 per cent. in the diluted solution, but it is questionable whether it is necessary to have so concentrated a solution. Weather conditions and the type of soil influence the potency of the weed killer more than the arsenic content. The part played by the arsenic in destroying weeds is somewhat obscure, and it has been found that soon after an alkaline arsenical solution reaches the ground the weeds, natural humus and soil split up the solution so that in about a week's time the arsenic (As₂O₃) in the free state can be found in the surface of the soil. As the applications of weed killer are repeated so the arsenic accumulates, owing to its sparing solubility, and in one series of experiments all sorts of soils were mixed with arsenic in various proportions up to 5 per cent., when it was found that the usual weeds of the garden path—grass, chickweed, groundsel and willow herb—grew and flourished.

Retrospect of Fifty Years Ago

Reprinted from
 The "Chemist and Druggist," February 15, 1879

Dr. Rubini's Old Age

Dr. Rubini, of Naples, who so enthusiastically recommended a saturated alcoholic solution of camphor many years ago as a specific in cases of cholera, is now eighty years of age, and is in want of the necessities of life. . . . Dr. Rubini, it appears, has done all the work in respect to his discovery gratuitously.



[Commenced C. & D., July 5, 1924]

Projecting Signs.—A useful means of attracting attention to retail premises, especially suitable for shops in side streets, which might otherwise be ignored by the general run of shoppers, is a sign hanging at right angles to the shop-front. These signs, however, should not be used indiscriminately. Care should be taken to see that they blend with the design of the shop and the general architectural feature of the façade, and the trader should ascertain before erecting the signs what local regulations or bye-laws exist as to the use of projecting signs—their height, weight, size, and so on. There are many types of flashing electric signs suitable for use by the retail chemist. These should generally be in red lettering, or have a red background. For box signs, the boxes are usually made of rustless leaded iron, steel, bronze, or bronze-metal, glazed on both sides with specially fired glass, with lettering either in stippled white with outlines in gold or colours, or left clear and backed with opal glass. Day and night signs are also obtainable in box form for use on projecting brackets. With one type of these the lettering is stencil cut in the front sheet and fitted with wood letters half-round in section and gilded with 24-ct. gold leaf. The wood letters are fitted to adjustable sleeve supports fixed to the back of the box, so as to allow a clear outline all round the letters. The interior of the box is finished in stone-red enamel, wired for two lamps per letter, and fitted with red-sprayed gas-filled electric lamps. The face of the box is finished in either bright black enamel or dull antique finish as desired. Another type of illuminated projecting sign is readable on both sides and at one end also if desired. With this the glass is set in a lead-coated sheet-steel box frame, enamelled white inside and non-corrosive black outside, and is held in place by copper clips, thus being easily replaceable. The lettering and designs are executed on the back of the glass in any colours desired. The box has a door at the bottom permitting access to the interior, and requires one light only, which is placed in a specially designed roof cowl. Daylight signs which are illuminated by means of reflection of the sun's rays or natural daylight, and do not require any artificial light, may also be used as projecting signs. Simple non-illuminated hanging signs suspended from plain wrought-iron brackets with a non-corrosive black finish, look attractive if they are neat and in proportion to the size of the shop-front. A popular variety has the lettering deeply embossed in sheet metal (burnished copper or brass); the background may be of any desired colour. Projecting signs in *repoussé* copper, scrolled iron, or hammered iron blend best with the old-style shop-front.

Promissory Note.—The definition of a promissory note given in the Bills of Exchange Act, 1882, is "an unconditional promise in writing made by one person to another, signed by the maker, engaging to pay on demand, or at a fixed or determinable future time, a sum certain in money to, or to the order of a specified person, or to bearer." No special form of words is necessary provided that the document conforms with this definition. A bank-note is a promissory note issued by a banker, payable to bearer on demand; but, unlike an ordinary promissory note, a bank-note may be reissued after it has been paid. When a promissory note is both made and payable within the United Kingdom it is called an inland note; otherwise it is a foreign note. In England, a promissory note for less than £20 made payable to bearer on demand must be made payable at the place where it was issued, although it may also

be payable elsewhere. A note for less than £5, payable to bearer on demand, is void in England. Promissory notes are subject to an *ad valorem* stamp duty, rising by a graduated scale from 2d. when the amount of the note does not exceed £10 up to 1s. upon a note for £100 and an additional 1s. upon each £100 or part of £100 above that amount. There is a penalty for giving or receiving a note that is not properly stamped. Paper, appropriately stamped, upon which notes can be written may be obtained from a post office.

Promoter.—The person who undertakes the preliminary formalities in introducing a Bill in Parliament or forming a new company.

Proof of Debt.—A creditor in a bankruptcy must "prove" his debt by delivering or sending to the official receiver, or the trustee if one has been appointed, an affidavit verifying the debt. This affidavit, for which a special form is in use, is known as the proof of debt. The debt must be proved as soon as possible after the receiving order has been made. The proof must contain or refer to a statement giving particulars of the debt and must specify the vouchers, if any, by which the indebtedness can be established. If the creditor is secured, this fact must be stated in the affidavit, otherwise the creditor may be called upon to surrender his security for the benefit of the creditors generally. Generally speaking, all debts and liabilities to meet which the bankrupt was liable at the date of the receiving order, or may become liable before his discharge, by reason of any obligation incurred before the date of the receiving order, are provable in the bankruptcy; but the following debts cannot be proved:—(a) Demands in the nature of unliquidated damages arising otherwise than by reason of a contract, promise, or breach of trust; (b) debts or liabilities contracted by the debtor with a creditor who has had notice of any act of bankruptcy committed by the debtor; and (c) contingent debts and liabilities the value of which cannot, in the opinion of the Court, be fairly estimated. Where there have been mutual dealings between the debtor and a creditor, the sum due from the one is set off against the sum due from the other, and the creditor can prove only for any balance due to him; but a creditor cannot claim the benefit of any set-off against the estate of the debtor if he had, at the time of giving credit to the debtor, notice of any act of bankruptcy committed by him. A creditor who has himself proved in a bankruptcy is entitled to inspect the proofs lodged by other creditors. The amount of any recognised trade discounts must be deducted from debts proved; but a discount agreed to be allowed for payment in cash need not be deducted if it does not exceed 5 per cent. of the net amount of the claim. A secured creditor who has lodged a proof, and disclosed the fact that he is secured, may either realise his security and prove for the balance due to him after deducting the proceeds of the security, or surrender his security to the official receiver or the trustee and prove for the full amount of his debt. If he does neither, he must place a value upon his security and accept a dividend upon the balance of his debt less the value of the security. In that event, the official receiver or the trustee may redeem the security at the price put upon it by the creditor or have the security sold. A creditor is entitled to prove for interest upon a debt at a rate not exceeding 4 per cent. from the date when the debt became due up to the date of the receiving order. The official receiver or the trustee must examine every proof and, in writing, either admit or reject it, in whole or in part. In this connection he may require a creditor to produce further evidence in support of his claim. A creditor may at any time within twenty-one days appeal to the Court against a decision with reference to his proof with which he is dissatisfied. Even after a proof has been accepted by the official receiver or trustee it may be rejected or reduced by the Court. No person is entitled to vote at a meeting of creditors unless he has duly lodged a proof of debt within the stipulated time before the meeting. The time for lodging proofs must be mentioned in the notice convening the first meeting, and must be not earlier than noon of the day but one before nor later than noon of the day before



The C.&D. Commercial Compendium



the meeting. If a proof is to be used at an adjourned meeting, it must be lodged not later than twenty-four hours before the time at which the meeting is to be held.

Proof Spirit.—See Alcohol Conversion Tables.

Property Tax (Landlord's).—The tax which a landlord pays under Schedule A in respect of the rents or other profits which he gets from his ownership of lands or tenements situate within the United Kingdom. The basis of assessment is the annual value of the property less the allowance for the cost of repairs incurred by the owner in keeping the premises in a fit condition. The annual value is the rent by the year at which the property is let at rack rent, if the amount of the rent had been fixed by agreement within seven years prior to the commencement of the current tax year. The allowance granted is, in the case of land, a deduction of one-eighth of the sum at which the land is assessed. In the case of houses or other buildings, the rate of allowance varies with the annual value. Where this value does not exceed £40 an allowance is made of one-fourth; if it exceeds £40 but does not exceed £100 the allowance is one-fifth, or not less than £10; if the annual value exceeds £100 the allowance is £20 plus one-sixth of the excess of the annual value over £100. The assessment is made on the tenant of the property, who then pays the tax and deducts the sum paid from his next payment of rent. If the landlord is himself also the occupier, the assessment is made in his name. He is also assessed directly for: (a) any dwelling-house in the occupation of a tenant which is of an annual value less than £10; (b) all lands and tenements let to a tenant for a period of less than one year; (c) any house or building let in different apartments or tenements and occupied by two or more persons separately; and (d) any lands or buildings in respect of which he has made application to the Commissioners to be separately assessed, provided they see fit to allow the application. As regards (c), where the house is structurally divided into distinct properties and occupied by distinct tenants, each tenant is assessed for his own portion. The idea that the tax is primarily one leviable on the tenant although passed on by deduction from rent to the landlord so far continues that, even in those cases in which the assessment is made directly on the landlord, the tax authorities still have the right to distrain on the tenants for any unpaid tax. Where a dispute arises between landlord and tenant in regard to the deduction of the tax, the local Commissioners of Taxes are empowered to decide it. The tax is not levied on any house for a period during which the house is unoccupied. The provision which applies to taxes under other schedules which allows them to be paid by two half-yearly instalments does not apply to property tax; it is due and payable in one sum on January 1 of the year of assessment.

Proteins are a group of complex nitrogenous constituents of plants and animals, formerly known as albumens or albumenoids. The generic name now adopted is protein, albumen and albumenoids referring to sub-groups. About fifty proteins occur naturally in plants and animals, and these differ in physical and chemical properties. Definite knowledge as to their chemical constitution is only of recent date and is due to E. Fischer. On hydrolysis they yield a large number of amino acids. Chemically the proteins are polypeptides formed by conjugation of a number of amino acids. For a list of amino acids which have been isolated as hydrolysis products Thorpe's "Dictionary of Applied Chemistry" should be consulted. These can be divided into mono-amino carboxylic, mono-amino dicarboxylic, di-amino mono-carboxylic acids and heterocyclic compounds. The yield of amino acids by hydrolysis of proteins is about 70 per cent. of theoretical, owing to imperfect methods of isolation. Proteins are of a colloidal nature, and can be separated from simpler substances by dialysis or by filtration under pressure through gelatin and collodion membranes. Proteins can be carried out from solutions by other colloids, and this property has been utilised for their separation. They can be removed from solution by solid substances which act as absorbents, as silicic acid,

iron oxide. The different proteins show variations in their behaviour towards solvents. Keratin, horn are insoluble in all solvents; egg-albumin and serum albumin are soluble in water, but insoluble in organic solvents. The globulins are insoluble in water, but are soluble in salt solution. Other proteins (glutenins) are soluble in dilute acids or alkalis only. All these kinds of protein are insoluble in organic solvents. Certain plant proteins (gliadins) are insoluble in water and absolute alcohol, but are soluble in dilute alcohol and acetone. Some proteins exist in crystalline forms, e.g., aleurone grains. Solutions of proteins are optically active, being levorotatory, except hæmoglobin. Physical constants are of no value for the characterisation of individual proteins. Coagulation temperature cannot be regarded as a constant. Proteins may be classified as follows:—(1) Simple Proteins—*Protamines*, members of this class are contained in the testes of certain fish, salmon, mackerel, sturgeon, herring, in conjunction with nucleic acid. These are basic in character and contain 25-30 per cent. of nitrogen. *Histones* are less basic than the protamines, and are found in combination with nucleic acid as nucleoproteins. Obtained from nuclei of blood corpuscles of birds, from thymus glands and spermatozoa of fish. *Albumins* are widely distributed, soluble in water and form solutions which coagulate on heating. Animal albumins are distinguished from the globulins in that they are not precipitated by sodium chloride with magnesium and ammonium sulphate. The *globulins* include proteins insoluble in water, but soluble in saline solutions. They are precipitated by saturation of their solutions with sodium chloride and magnesium and ammonium sulphate. *Protamines* (formerly called gliadins) are vegetable proteins insoluble in absolute alcohol or water, soluble in 70 per cent. alcohol. *Glutelins* are vegetable proteins insoluble in dilute alcohol, water and salt solution, dissolved by dilute acids and alkalis. *Scleroproteins* (formerly called the albuminoids) include horn, hair, silk, gelatin. Derived from connective tissue, and have no common distinguishing properties. (2) Conjugated Proteins contain groups which do not yield only amino acids on hydrolysis. *Nucleoproteins* are found in combination with nucleic acid. *Glycoproteins* are found in combination with a carbohydrate group. *Hæmoglobins* form the red pigment of animal blood, and are proteins in combination with hæmatin. Algal pigments are allied. *Phosphoproteins* yield phosphoric acid on hydrolysis with alkali, and include caseinogen (milk), vitellin (egg-yolk). *Lipoproteins* are not well understood, as the fatty substances often isolated with proteins are in combination or only adsorbed. (3) Derived Proteins are derived by hydrolysis (acid, alkali, enzyme) from proteins. *Metaproteins* are derived from natural proteins, and may be "acid albumins" or "alkali albumins," according to how they have been produced. "Racemised proteins" may be included. These are not attacked by proteolytic ferments, and pass through the animal alimentary tract unchanged. Coagulated proteins.—*Proteoses* are derived by enzymatic digestion. They give the biuret reaction, are not coagulated by heat, and are precipitated from solution by salts (zinc or ammonium sulphate). *Peptones* differ from the proteoses in that they are not precipitated from solutions by salts. *Peptides* are generally crystalline substances, peptones are not. They yield on hydrolysis two or three amino acids only. The "conjugated proteins" include the *nucleoproteins*, found in most tissues and which are compounds of basic protamines with nucleic acid; *glycoproteins*, which include a number of mucilaginous substances of animal origin, as egg-white, serum; *hæmoglobins*, which contain hæmatin. Hæmatins are allied to other natural pigments as chlorophyll. There are also a number of derived proteins obtained from proteins by hydrolysis with proteolytic enzymes, as pepsin, trypsin, erepsin. Proteins cannot be completely identified by physical constants, and chemical methods for identification are more often employed, though general protein chemistry is still in its infancy.

A Notable Achievement in Anaesthetics

For many years Anaesthetists have demanded a pure Ether made from pure Rectified Spirit, but have not felt justified in paying the exorbitant duty which had to be included in the price. From this derived the constant fear that the impurities such as Wood Spirit, Pyridine, etc., authorised by the Customs as necessary denaturants in the preparation of Ether at an economic price, had not been completely eliminated in the final product, and the feeling that in troublesome cases the Ether used might be suspected.

HOWARDS OF ILFORD have now made special arrangements with the Customs which enable them to supply their Standard Ether, *manufactured entirely from Duty-Free Rectified Spirit* which has never been in contact with *any* deleterious or objectionable denaturant at *any* stage, *without extra charge*.

This is a very distinct advance in the economic production of our pure Anaesthetic Ether and is of particular interest to Pharmacists who supply Ether to Doctors. The medical man will appreciate having his attention drawn to the facilities now offered, and the Pharmacist will benefit by handling Howards' Standard Ether, which provides a very good margin of profit.

Packed in $\frac{1}{4}$ lb., $\frac{1}{2}$ lb. and 1lb. Amber glass bottles, and obtainable through any wholesale house.

HOWARDS & SONS, LTD. (EST. 1797), ILFORD.

ALKALOIDS

Fine Chemicals Opium Derivatives

ALLOIN	DIAMORPHINE	LEPTANDRIN
ATROPINE	EMP. CANTH. LIQ.	MORPHINE
BISMUTH SALTS	ERGOTIN	OPIUM
CAFFEINE	ESERINE	PODOPHYLLIN RESIN
CANTHARIDIN	ETHYLMORPHINE	SALICIN
CAPSICIN	GINGERIN	SANTONIN
CHLOROFORM	HYOSCYAMINE	SCAMMONY RESIN
CHRYSAROBIN	IRIDIN	STRYCHNINE
CODEINE	JALAP RESIN	VERATRINE

Goods covered by Dangerous Drugs Acts offered subject to all regulations.

T. & H. SMITH L^{TD}

BLANDFIELD WORKS: 25 CHRISTOPHER STREET: 32 & 34 VIRGINIA STREET
EDINBURGH. : LONDON, E.C.2. : GLASGOW.

ESTABLISHED 1827

ETHYL ALCOHOL SUBSTITUTES

ISOPROPYL ALCOHOL

ETHYLENE GLYCOL

PURE PEPPERMINT OILS, Single and Double Distilled
AMERICAN, ITALO-MITCHEM, RUMANIAN, ETC.

ESSENTIAL OILS, CONCENTRATED PERFUMERY COMPOUNDS, ESSENCES, ETC.
AROMATIC CHEMICALS ORGANO THERAPEUTIC PREPARATIONS
GLANDULAR EXTRACTS PHARMACEUTICAL DRUGS AND CHEMICALS

R. ANSAY, LTD., 44 Wilson Street, LONDON, E.C.2

Telephone: LONDON WALL, 3103

EPSOM SALTS

*Commercial and B.P. Qualities
also Powdered*

Glauber's Salt

*Commercial and B.P. Qualities
and Desiccated*

Zinc Sulphate

Commercial and B.P. Qualities

Zinc Chloride

Fused, Granulated and Liquid

**WILLIAM
BLYTHE
& CO., LTD.**

Holland Bank Chemical Works

**CHURCH
LANCASHIRE**

**Hyposulphite
of Soda** *Pea Crystals*

Lead Arsenate
Paste and Powder

**Precipitated
Sulphur**

WEED KILLER

*A list of our general Technical
Chemicals sent on application*

Buy Magnesia from The WASHINGTON CHEMICAL CO. LTD. the originators of the Pattinson process and

Get the benefit of
88 years experience
and research.

Since 1840 the Company have manufactured the world renowned Pattinsons Magnesia and the word PATTINSONS in connection with Magnesia is synonymous with WASHINGTON.

The Works property extends over an area of 50 acres, and we are to-day the largest producers of Magnesia in Europe, shipping to almost every part of the World, with a well equipped Research Department which is at your service.



PATTINSONS MAGNESIA



The WASHINGTON CHEMICAL CO. LTD

WASHINGTON STATION
COUNTY DURHAM · ENG.

Enquire from

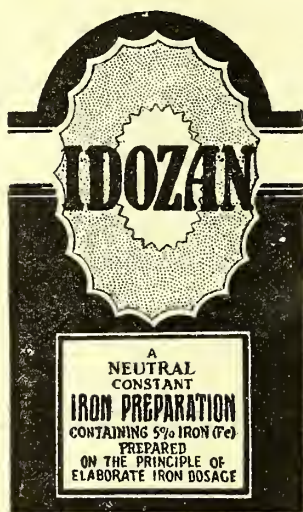
HORNER

before buying

*Whole & Powdered***HERBS, BARKS, ROOTS,
ESSENTIAL OILS,
GUMS, SEEDS**Write for List of 1 lb. quantities and upwards**L. A. Horner & Sons****12 SOUTH TENTER STREET
LONDON, E.1****CAUSTIC POTASH
CAUSTIC SODA****In Sticks****(Pure and Purified)****PROMPT DELIVERY FROM STOCK****In 1-lb. bottles, 10-lb. tins,
1-cwt. drums****J. SHERMAN & Co. Ltd.****DOWNHAM MILLS,****TOTTENHAM, LONDON, N.17****Telegraphic Address
Kollag Phone London****Telephone
Tottenham 3201 (5 lines)****Also at****49/51 Broughton Lane MANCHESTER****Telegraphic Address
Kollag Phone Manchester****Telephone
Higher Broughton 878****SAPIAM****Società Anonima
Per la Produzione ed il Commercio
delle Piante Industriali,
Aromatiche e Medicinali,
Piazza Signoria, 8, FLORENCE (Italy.)****ITALIAN CRUDE DRUGS
MEDICINAL & AROMATIC PLANTS
ETC.****Aconite, Arnica, Belladonna, Camomile, Corn
Silk, Dandelion, Digitalis, Henbane, Juniper,
Malefern, Marshmallow, Orris, Psyllium,
Stramonium, Teasel, Uva Ursi, Etc., Etc.****SOLE AGENT:****Enquiries Solicited.****PHILIP WHIPMAN, 8 Cross Lane, LONDON, E.C.3****Telephone: ROYAL 6166.****Ephedra Vulgaris
Tamarinds, E.I.****Kamala Powder (6/8% ash)****Costus root****Podophyllum root****and other Indian Botanicals****S. N. De, M.Sc. (Botany)
Post Box 7851, Calcutta.****Cables: "Podophyllum," Calcutta.
Codes: A B C, 6th Edition and Bentley's.****GLAUBER
SALTS, B.P.****Pea Crystals and Feathery.****LIQ. FERRI
PERCHLOR.
FORT. B.P.****EPSOM
SALTS, B.P.****Needle Crystals, Medium, and
Exsiccated.****HARRIS, HART & CO. LTD.** **Offices: 17 Cooper St., MANCHESTER****Works: Moss House Wks., Blackley, Manchester****Tel. No.: City 8497. — ENQUIRIES INVITED. — Tel. Address: "Harp, Manchester."**

Chas. Zimmermann & Co. (Chem.) Ltd.**CHEMICALS****PHARMACEUTICAL : TECHNICAL : PHOTOGRAPHIC
ESSENTIAL OILS : GELATINES****SPECIAL MEDICAL PREPARATIONS****Preparation :**

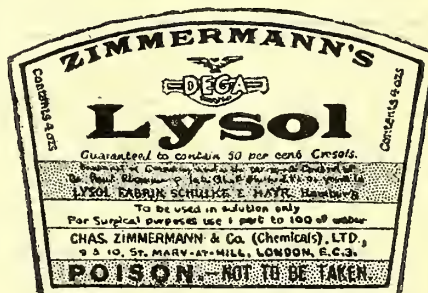
Angiolymphe (Dr. Rous)
Anusol (Goedecke)
ASTHMOLYSIN
(Dr. Weiss)
Bilival (Ingelheim)
Cadechol (Ingelheim)
Camphogen (Ingelheim)
Chinosol (Original)
Devatol-A
IDOZAN (5% Fe)
Incitamin
Kathiolan (Marcussen)
Lobelin (Ingelheim)
LYSOL (Dega Brand)
Necaron (Ingelheim)
Pagenstecher's Eye
Lotion
Papain (Dega Brand)
PEBECO (Beiersdorf)
Pericholan (Ingelheim)
Posterisan
Subitol
Subitine
Targesin (Goedecke)
Terpichin
Veganin (Goedecke)
Zedeno

**IDOZAN**

Retail 3/- and 5/- per bottle.

**LYSOL—DEGA BRAND
YOUR P.A.T.A. PROFIT**is from **37%** to **44%** on Turnover
and from **60%** to **80%** on Cost.**ASTHMOLYSIN**

Retails at 10/- per box.

YOUR PROFIT**25%** on Turnover.P.A.T.A. Chemist.
Retul. Per doz.

9d. per tube 0/-

1/3 " (3 doz. lots) 10/-

" (6 ") 9/-

" (12 ") 8/6

PEBECO**GENUINE
BEIERSDORF****9-10 ST. MARY-AT-HILL, LONDON, E.C.3**

Telegrams : Acidolan, Bilgate, London.

Telephone : Royal 1866 (4 lines.)



Famous for a Century
SANTONIN
 SPECIFIC ANTHELMINTIC
Discovered 1829. ——— Unrivalled 1929.

Its unique safety and efficacy are appreciated by the public and substitutes are no longer tolerated. Our consumer advertising is daily increasing the demand.

Do not risk disappointing a permanent customer. Order your SANTONIN supply from your wholesaler. Packed in $\frac{1}{4}$ -oz., $\frac{1}{2}$ -oz., 1-oz. bottles, bearing the original factory label and seal.



This label and seal are the guarantee of original purity.

“Common Helminths in Medical Practice.”
“Worms of the Dog.”

We send these interesting scientific books FREE on request

ARCOS, LTD., 33/36 King William St., LONDON, E.C.3

SOLAZZI

Liquorice Juice

The Chemist's Brand.

Should any enquiries as to the composition of SOLAZZI be received from the Public, Chemists are requested to emphasise the fact that SOLAZZI is not included in the category of Secret Remedies, and that the following guarantee obtains with every parcel.

*Solazzi Juice is
 guaranteed to consist entirely
 of the condensed extract of
 finest Calabrian Liquorice Root,
 without any admixture whatever*

1/3 **“KOF-OH”** 3/-
 Bottle Bottle

(Government Stamped)

**The GREATEST COUGH CURE
 for the COMING SEASON**

THE Profit-bringer.

Write for Generous Trade Terms and
SPECIAL WINDOW DISPLAY BONUS.
DO IT NOW!

KOF-OH CO., LTD., Everton, Liverpool

PROFITABLE LINES IN TABLETS

of Guaranteed Purity and Excellence of Finish.

YEAST TONIC TABLETS.

ASPIRIN AND CASCARA.

Bottled and Cartoned. Also a 3d. line in glass tubes (carded), showing Profit of 130%.

HEART SHAPE INDIGESTION

(B.B. best). A really good and efficient tablet. Artistic cartons, showcards, etc.

YOU WILL BE ASKED FOR “CELERIDS,”
THE WONDERFUL RHEUMATISM TABLET.

WRITE US AND SAVE MONEY.

BUCKLEY-BOWKER TABLET CO. LTD.
 PARKFIELD ST. and BERNERS ROAD, LONDON, N.1

The Old Strand Chemical & Drug Co., Ltd.

Telephone: HOLBORN 0334.

Telegrams:

"OLSTRANKEM, PHONE, LONDON."

Cables: "OLSTRANKEM, LONDON."

Codes: A B C, Western Union, Marconi,
Bentley, and Private.*41. Great Tower Street,
LONDON. E.C. 3.*

INTRODUCING

GLYCOPON "S"

A Substitute for Alcohol.

Properties: Water White. Practically Odourless. Neutral Specific Gravity 1.05. High Vapour Tension. Less Toxic than Ethyl Alcohol. Low Freezing. High Boiling. Chemically Inert.

Miscible with Water, Alcohol, Ethers, Esters, Aldehydes, Synthetics, Hydrocarbons, etc.

Will dissolve up to 10% Oils of Lemon, Orange, Juniper, etc.

An excellent Solvent for Iodine, Vanillin, Coumarin, Pyroxylin, Oleo-resins, Menthol, Camphor, and many other Flavouring and Pharmaceutical Principles.

Preservative properties between those of Glycerine and Alcohol.

Uses: *Non-alcoholic Flavours, Extracts, Toilet Preparations, Beverages, Pharmaceuticals, Extraction of Crude Drugs.*

**Other GLYCOPON Products replacing
GLYCERINE, LANOLINE, STEARIC ACID, etc.**

*Full Particulars and Samples from the Sole Concessionaires for
Glycopon Products Company, Inc.,*

The Old Strand Chemical & Drug Co., Ltd.
41. Great Tower Street, London, E.C.3

STANDARD OF PERFECTION AND UNIFORMITY. NONE BETTER.

PRICES ON
APPLICATION

Telephone : Hop 2422.

Telegrams :
"Ushenspuna, London."

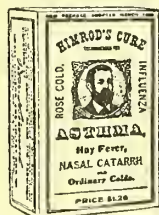
ROBT. BLACKIE

SHEN WORKS,
168 TOWER BRIDGE ROAD,
LONDON, S.E.1

EVERY SALE OF

HIMROD'S Asthma Cure

CREATES A SATISFIED CUSTOMER
SUFFERERS SEEKING RELIEF FROM



The paroxysms of
BRONCHIAL ASTHMA
Asthmatic Hay Fever
Common Colds
Nasal Catarrh
Bronchitis

Will be quickly helped by the use of this time-tried remedy.
Burn half a teaspoonful, inhale the fumes and the distress vanishes.

ON THE MARKET FOR OVER 50 YEARS

"Himrod's Cure is a well known product, very useful in many cases."
—W. J. Hadley, M. D., formerly lecturer at London Hospital.

May be had from wholesale distributors throughout the world

Himrod Manufacturing Company, Mfrs.
463/5 Eleventh Street, Hoboken, NEW JERSEY, U.S.A.



"Fine 'Tosse' Products"

NITROSCLERAN
BISMOGENOL
EKZEBROL

EXTENSIVELY ADVERTISED TO THE MEDICAL PROFESSION

Importers : **BOXALL SMITH & CO.**
163a Strand, London, W.C.2

"ONZO" OINTMENT



"ONZO" is a medicinal ointment made from animal fats and curative substances. It has remarkable drawing power in removing unhealthy matter from the tissues.

Recommended for—CHILBLAINS, CORNS, SPRAINS, SEPTIC WOUNDS & SORES, DRY or WET ECZEMA, VARICOSE ULCERS, BURNS, Etc., Etc.

Price 21/- (wholesale), 27/- (retail), per dozen jars

Trade Enquiries to—

ONZO Ltd., 188 St. Vincent Street, GLASGOW.

An entirely new line

—with heavy advertising
and fine profits behind it!

An amazing discovery!
Sparkling
PINE TONIC BATHS
in your own home!

Why not a sparkling tonic
pine bath to-night?
It will give a delightful
tingling freshness to your skin!

Here's a new idea —
Sparkling tonic pine
essence in your bath!

THE beautiful golden coloured
pine essence draws out all the
poisons lurking in the pores and in-
creases the circulation at the surface
of the skin. At the same time it
creates a fragrant tonic atmosphere
which refreshes the lungs and stimu-
lates the action of the heart.

For tired nerves, rheumatic stiffness or
that "draggy" feeling the benefit is simply
enormous; and after a long day's work of
strenuous exertion a Novopine Tonic
Pine Bath is just what you need.

Just one Sparkling Pine Tablet in your
bath will refresh your whole body and give
you a wonderful feeling of comfort and
relaxation.

Your chemist will supply you with
Novopine or add a stamp and bring you,
post free, a sample dozen. Check a coupon
to-day or fill in the coupon below to sample.
Natural Products Ltd., London & Glasgow.

Novopine
Sparkling Pine
Bath Tablets

Boots the Chemists
can supply you.

Cartons containing 6 tablets 2/-
Large boxes containing 3 cartons 6/-

Write: NATURAL PRODUCTS LTD.,
40, FURNIVAL STREET, LONDON, E.C.4.
I enclose 1/- in stamps for sample of
6 Sparkling Pine Bath Tablets.
Please send at once to address below.

Name: _____
Address: _____
Send this coupon today.

STARTING in a few weeks
now, striking advertisements
will be appearing in leading
daily, women's and medical
journals for this remarkable new
product. Any customer you in-
troduce to Novopine Sparkling
Pine Bath Tablets will be grate-
ful to you for having drawn
attention to them.

They are sold in delightful gold
coloured boxes, which are a positive
adornment to any counter, and so
soon as you decide to display them
you will find them selling fast! We
recommend all chemists who enjoy
trade in good class districts to order
a stock of this line.

If you have any difficulty, write
direct to Natural Products, Ltd.,
40 Furnival Street, E.C.4. We
will see you are supplied at once.

2/-
per carton
containing 6
Tablets

6/- per box
containing 3
Cartons

Novopine

Sparkling Pine Bath Tablets

Best Trade Terms

Your wholesaler stocks it!

IMPORTANT CHANGE IN SALES POLICY



LYSOL LTD. announce that on
and after FEB. 15th, 1929, all
orders and enquiries for HINDS
Honey & Almond CREAM and
MARSHOL should be addressed
to RAYNES PARK, LONDON,
S.W.20, and not to Beecham-
Veno Distributing Depôt, as at
present.

ON AND AFTER FEB. 15th

all orders directed as above will
receive prompt and careful
attention

LYSOL LTD. LONDON, S.W.20

BRITISH INDUSTRIES FAIR

WHITE CITY, LONDON

FEB. 18—MAR. 1, 1929

Stands
K80 & K87



Stands
K80 & K87

Exhibit of

FINE CHEMICALS

including

SYNTHETIC CHEMICALS

INDICATOR DYES

MICROSCOPIC STAINS

ANALYTICAL REAGENTS

MEDICAL PRODUCTS

including

VITAMIN PRODUCTS

RADIOSTOL (Vitamin D)

RADIOSTOLEUM (Vitamins A & D)

RADIO-MALT (Vitamins A, B & D)

*All British Made and all of the
B.D.H. recognised Standard of
Purity and Therapeutic Activity*

THE BRITISH DRUG HOUSES, LTD.

GRAHAM ST., CITY ROAD, LONDON, N.1

STERLING CHEMICALS

*Our
Reputation*

VISIT US AT

ACIDS ACETATES
BROMIDES CITRATES
HYPOPHOSPHITES
PHOSPHATES ETHER
SCALE PREPARATIONS

Thomas Tyrer & Co., Ltd.
Stirling Chemical Works - Stratford, E.15

'Phone : Maryland 2510.

Wires : " Tyremicus, Phone, London."

STERLING CHEMICALS

STANDS K77 & 90

*Your
Guarantee*

BISMUTH CARBONATE
SODA NITROPRUSSIDE
SODA BISMUTHATE
SODA & POTASH CITRATES
ANALYTICAL REAGENTS

Thomas Tyrer & Co., Ltd.

Stirling Chemical Works - Stratford, E.15

'Phone : Maryland 2510.

Wires : "Tyremicus, Phone, London."

BRITISH INDUSTRIES FAIR-1929

WHITE CITY, LONDON—FEBRUARY 18th TO MARCH 1st.

at Stand K. 109

(CHEMICAL SECTION)

you will find

COMMERCIAL SPECIMENS OF FINE
CHEMICALS, ALKALOIDS, ETC.**S**TANDARD GRADES OF POWDER,
GROUND IN OUR MILLS.**S**TANIFORM & ITS PREPARATIONS
(The New Therapeutic Agent).AN INSPECTION IS WELL
WORTH YOUR WHILE.

PRODUCED IN THE FACTORIES OF

Whiffen & Sons Ltd.

INCORPORATING

George Atkinson & Company
(Established 1654)**BATTERSEA and FULHAM**
LONDON, S.W.TELEGRAMS
WHIFFEN - LONDONTELEPHONE
PUTNEY 3993

**WE INVITE YOU TO VISIT OUR STANDS AT
THE BRITISH INDUSTRIES FAIR**

AN INTERESTING DISPLAY OF
SCALES  BRAND

**HALL K
STAND
No. 68**

BRITISH MADE

FINE CHEMICALS
SILVER NITRATE
AMIDOL—JOHNSONS
METOL—JOHNSONS
PYRO—JOHNSONS
PARAMIDOPHENOL
SALTS OF PRECIOUS METALS
etc. etc.

**PHOTOGRAPHIC CHEMICALS
& PREPARATIONS**

**HALL O
STAND
No. 24**

for **PHOTOGRAPHIC DEALERS
TRADE WORKERS
PROFESSIONALS
CINEMATOPHOTOGRAPHERS
PROCESS ENGRAVERS
RADIOLOGISTS
AND AMATEURS**

*Price List sent on receipt of
Trade Card.*

JOHNSON & SONS
Manufacturing Chemists, Ltd.

HENDON
LONDON, N.W.4

... for ...
DAWSONS
DENTIFRICE

Usual & Large Size

FREERS PEROXIDE & MAGNESIA

DENTAL CREAM

A Tooth Paste of Distinction.

FREERS LYSOL & OTHER

Shaving Sticks

In Decorated Tins

Solid & Liquid
BRILLIANTINE

In Several Sizes.

SHAMPOO & TOOTH
POWDERS

Of Superior Quality

Solid Brilliantine in Decorated Tins, and in 2½ oz. Octagon Jars with Gilt Caps and Wads and two embossed labels; also Hair Cream, Dry Shampoo, Toilet Paraffin, Honey and Flower Brilliantine, Rouge and Compact Powders, Lysol Soap in Tablets, Foot Paste, Ointments, Cold Cream, &c., &c. Best quality Razor Blades at low prices, Vanishing Cream, Petroleum Jelly, Lysol Solution, &c., &c.,

COLONIAL BUYING AGENTS & REPRESENTATIVES
EVERYWHERE WANTED. SPECIAL QUOTATIONS for
SHIPPERS, WHOLESALE & LARGE BUYERS.

(RETAILERS please order through your usual Wholesaler.)

Freers Manufacturing Co., Ltd
6/7 Norton Folgate, Bishopsgate, London,
ENGLAND.

'Phone—Bishopsgate 2209. Telegrams—"Dentifreer Ave London" (2 words.)
Cables—"Dentifreer London."



WE
OFFER
a bottle
capping

GIVING THE FOLLOWING
ADVANTAGES:—

*Speed of operation—
Perfect on of finish—
Minimum waste.*

IN STANDARD COLOURS:
RED, WHITE OR BLUE.

Special colours and shades to order.

PRICE:
12/- to 15/- per gallon
(1/6 to 1/10 per lb.)
according to quantity.

*May we give you the pleasure of testing it?
Write for sample C.S.1 to*

DOPE DEPARTMENT,
British Celanese Limited,
Celanese House,
Hanover Sq., London, W 1

or inspect the finished caps on our

Stand No. J.117

at the
BRITISH INDUSTRIES FAIR,
WHITE CITY, LONDON.

®—M.3

STAND M89

BRITISH INDUSTRIES FAIR

Powder

Puffs

"de luxe"

A full display of
every description
of Powder Puffs
will be on show.



Discriminating
Wholesalers who
want a **better**
article will be
well advised to
inspect this range.

Also Washing and Loofah Gloves, Lavender Novelties, etc.

WILLIAMSON BROS., LTD.

177, SOUTHWARK BRIDGE ROAD, S.E.1

PHONE: HOP 3419

WHAT A SHAME!!



She hasn't heard
that
Butywave Shampoo
"waves as it washes"

A crowd is good for business. This poster (size 20" x 15") on your window brings a crowd. Sells Shampoos like hot cakes.

Write to-day to

THE BUTYWAVE COMPANY

10 Tachbrook Street, LONDON, S.W.1.

Tel.: VICTORIA 5554.



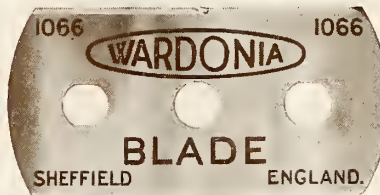
Stand No. M 70.

BRITISH INDUSTRIES FAIR

—LONDON—

STANDS Nos. J 67 & J 91

The Blade with the New Edge



'WARDONIA' RAZOR BLADES

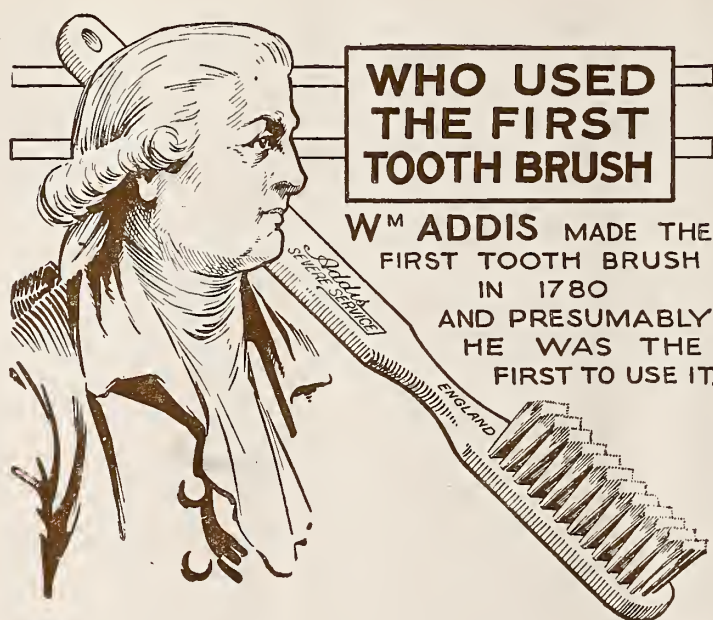
SEE

OUR SHOW
AT THE BRITISH
INDUSTRIES FAIR
STANDS Nos. J 67 & J 91.

THE TREMENDOUS SUCCESS
of this FAMOUS SHEFFIELD BLADE
IN THE MARKETS OF THE WORLD
PROVES THAT IT WILL MAKE A GOOD SELLING
LINE FOR YOU—PROFIT 50% ON COST.

SEND A SAMPLE ORDER NOW

THOMAS WARD & SONS, LTD. WARDONIA WORKS, SHEFFIELD.



Visit the ADDIS STAND
No. P.O. 10
at the BRITISH INDUSTRIES FAIR

Buyers of tooth and dental plate brushes will find their every requirement filled in this wonderful display of both bone and celluloid handled tooth brush ware. Every brush sold by Addis is plainly marked "Made in England." Full sized brushes to retail at 6d. upwards.

ADDIS BRUSH WORKS
HERTFORD - - - ENGLAND

THE OLDEST FIRM OF TOOTH BRUSH MANUFACTURERS IN THE WORLD

ESTABLISHED 1780.

WE EXTEND A CORDIAL WELCOME TO OUR
MANY FRIENDS, BOTH OLD AND NEW,
TO OUR

STAND J.100

(FANCY GOODS SECTION)

where we are showing a wide range of our leading specialities,
including several up-to-date selling lines which have not
hitherto been shown to the trade.

A PERSONAL VISIT

will convince you of the selling features of the many attractive
lines we offer which have been carefully thought out in every
detail, with a view to making our productions of real utility
and charm to the ultimate purchaser.

SOLPORT
BROTHERS LIMITED

NERISSA ^{Regd.} POWDER PUFFS
SWANSDOWN. VELOURS. WOOL. BEAVELOUR.

Portia
^{Regd.}

TRAVELLING COMPANIONS,
SPONGE BAGS AND WATERPROOF
GOODS, NON-FLAM READING AND
SPORTS SHADES

Watersprite
FACE CLOTHS

184-190 GOSWELL ROAD, LONDON, E.C.1

LOZENGES

T
A
B
L
E
T
SERNEST JACKSON & Co., LTD.
CREDITON—DEVON'Phone :
Crediton 10STAND
M 81London Office,
'Phone :
Hop 2668P
E
L
L
E
T
S

PASTILLES

A SPRAY OF
HEALTH
to the public.A SPRAY OF
WEALTH
to the chemist.See our Exhibit at
Stand No. M101
British
Industries Fair.There's a good 'deal' in Cromessol the floral
Disinfectant Spray which instantly destroys
'Flu' and all such germs.
It perfumes while it purifies.**CROMESSOL**Trade Terms and par-
ticulars on request fromTHE CROMESSOL CO., 148 BRAND STREET
IBROX, GLASGOW.**Enolin**

invite you to visit

Stand M. 66and inspect their
products for yourselves.**ENOLIN (1926) LTD.**

79 MARK LANE, LONDON, E.C.3

Phone : Royal 3891.

TOOTH
PASTE.....
TOOTH
POWDER.....
DENTIFRICE.....
SHAVING
CREAM.....
TOILET
SOAP.....
SHAMPOO
POWDERIf you are interested in
INCREASING YOUR SALES
call at Stand**R53**at the **BRITISH INDUSTRIES FAIR**

If unable to visit the Fair, write to

BCM/XL4U, London, W.C.1
for full particulars

MYSORE GOVERNMENT
SANDALWOOD OIL

DISTILLED FROM SANTALUM ALBUM, LINN.



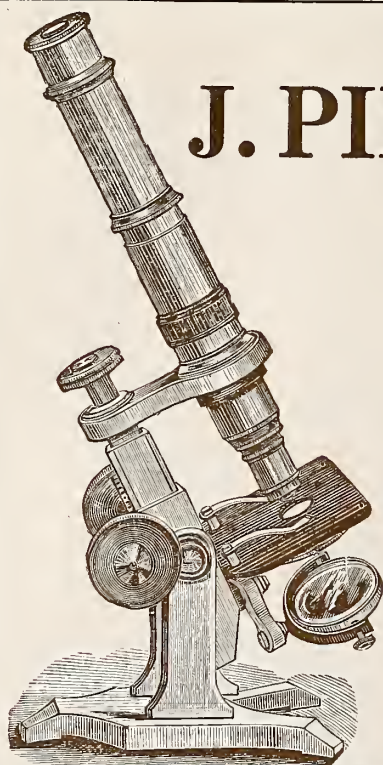
*The East Indian Oil distilled
from Santalum Album, Linn.,
is the only Oil recognised by the
chief Pharmacopœias of the world.*

CALL & INSPECT
OUR EXHIBIT AT
STAND K.79
BRITISH INDUSTRIES FAIR

ESSENFLEUR PRODUCTS, LTD.
98 Great Tower Street, E.C.3

Telegrams : "Ek dum, Phone, London."

Telephone : Royal 4987.



J. PILLISCHER Ltd.

INVITE YOU TO EXAMINE
THE VARIOUS TYPES OF

MICROSCOPES

BAROMETERS, FIELD GLASSES,
TELESCOPES, METEOROLOGICAL
& SCIENTIFIC INSTRUMENTS, &c.

ON VIEW AT

STAND 7

HORS
CONCOURS
MEMBRE
DU JURY

J. Pillischer Ltd.

88 New Bond St., W.1

15 GOLD
MEDALS

16 GRANDS
PRIX

CORFIELD LTD.

CORDIALLY INVITE YOU TO
EXAMINE THEIR RANGE OF

ALUMINIUM

ARTISTIC CONTAINERS
ON

STAND M14



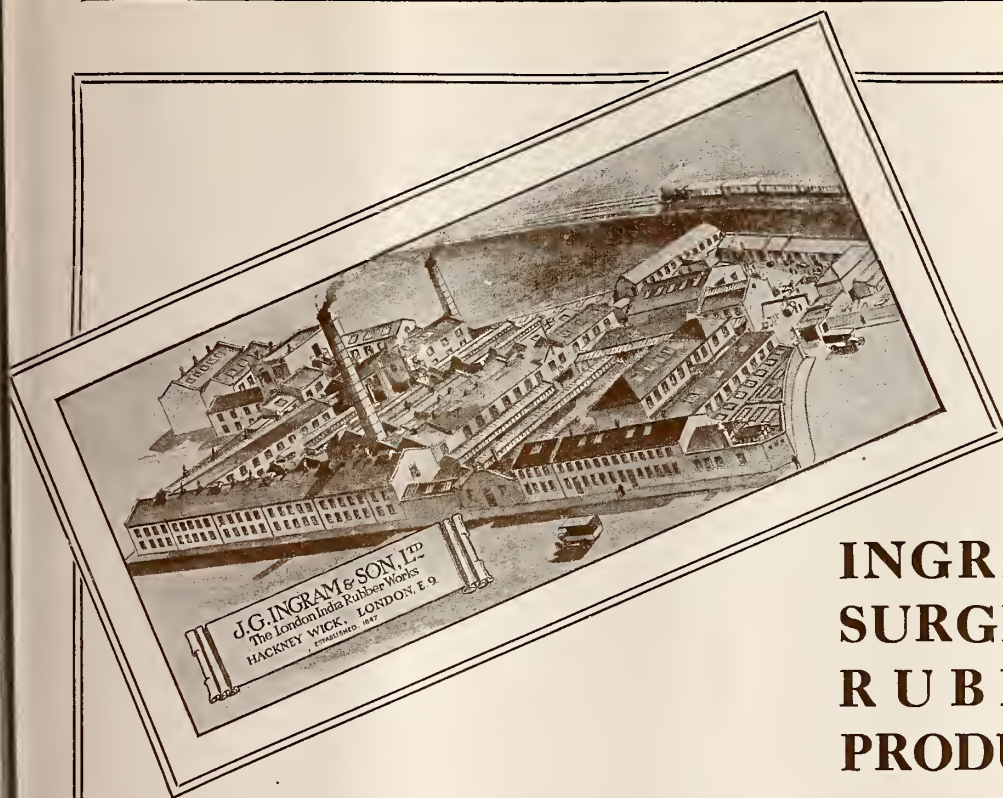
THEY ARE
ALSO THE
LARGEST
MAKERS OF
ALUMINIUM
H.W.
BOTTLES

Corfield Limited

Trafalgar Works

Merton, London, S.W. 19

PHONE: WIMBLEDON 2061



INGRAM'S SURGICAL RUBBER PRODUCTS

See our Exhibit
**BRITISH
INDUSTRIES
FAIR**

**February 18
— March 1**

STAND M10

AIR CUSHIONS—"Omega," "Eclipse,"
"Atalanta"; BANDAGES; BED SHEET-
INGS—"Satinette"; BREAST RE-
LIEVERS; CORKS; DOUCHE TUBING;
ENEMAS—"Adaptable," "Atalanta,"
"Eclipse," "Perfex," "Sterilendum," "Ulti-
lema," "Zebina," "Zenith"; GLOVES
AND GAUNTLETS; HOT WATER
BOTTLES—"Eclipse"; ICE BAGS;
PESSARIES; POWDER BLOWERS;
SOOTHERS; SPRAYS; SYRINGES—
all kinds; TEATS—all shapes; and the
"Agrippa" Patent Green Band Teat;
TUBINGS, etc., etc. ■ ■ ■ ■ ■

Obtainable from all Wholesale Houses

J. G. INGRAM & SON, LTD.

THE LONDON INDIA RUBBER WORKS
HACKNEY WICK, LONDON, E.9

Makers of Fine Surgical India Rubber Products for over 80 years.

PACK IN SAFETY!

SAFE METHODS WILL
BE ON SHOW AT

STAND R136

IT WILL PAY YOU

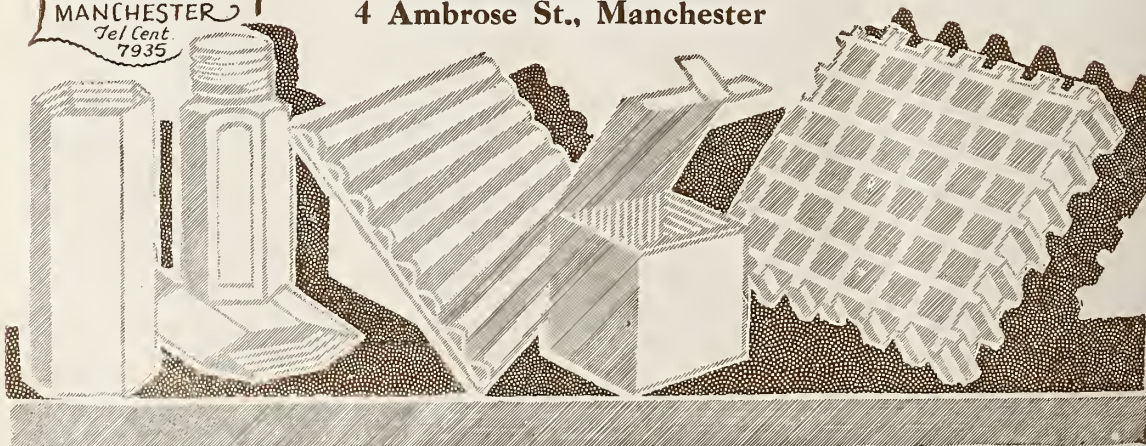
TO EXAMINE THEM

LONDON
REPRESENTATIVE
FRANK D. WELLER
147 HOLBORN-EC1
Tel Holborn 7346

NORTHERN
REPRESENTATIVE
FRANK D. WELLER
55 MARKET STREET
MANCHESTER
*Tel Cent.
7935*

**CORRUGATED PACKING
MATERIALS CO., LTD.**

4 Ambrose St., Manchester



You just slip them on the bottle —that's all!

The "Viskap" is the quickest as well as the neatest of all capping methods. You simply slip the wet "Viskap" over the bottle neck and leave it to dry. That's all! As it dries it fits tightly and takes the shape of the cork, stopper or sprinkler.

The "Viskap" is simplicity in itself, a saving in time and money, and affords a permanently clean and attractive finish to your bottles.

The "Viskap" is a perfect hermetic seal that is air-tight, grease-proof, spirit-tight and odourless. It is ready for use when you receive it.

Obtainable in white or colours, either opaque or transparent.

"Viskap" is British to the Backbone.

Make your bottles look
better with the
BRITISH

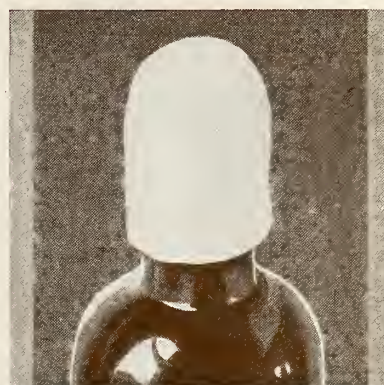
VISKAP

HERMETIC SELF-FIXING
BOTTLE CAPS

The Viscose Development Co., Ltd.
Woldham Road, Bromley, KENT.

Telegrams: 'Viscose, Bromley.' Telephone: Ravensbourne 4561

'CAPS THE LOT.'



STAND
No.
M
71

Novarsenobillon and Metarsenobillon

For the treatment of Syphilis.

Stovarsol

Tablets for Oral administration. Amœbic Dysentery, Yaws, Lambliasis, Malaria (*P. vivax*), Tropical Diarrhœa.

Mercurochrome

A powerful antiseptic for use in Gonorrhœa and other infections, including some forms of Septicæmia.

Tryparsamide

Manufactured under Licence of The Rockefeller Institute for Medical Research.

Sleeping Sickness (*Trypanosomiasis*), Neurosyphilis.

Gardenal and Gardenal-Sodium

Phenobarbital and its Sodium salt.

Efficient remedies in Epilepsy, Chorea, Migraine and children's convulsions.
In tablets and powder.

Soneryl

TABLETS for Oral administration. Hypnotic and Analgesic. For treatment of all forms of Insomnia. Induces no craving.

Stovaine

The established anæsthetic for lumbar use. Also efficient for local anæsthesia, both by application and injection.

Ephedrine

Hydrochloride and Sulphate. Tablets and Capsules for Oral administration, ampoules for injection, bottles of solution as a nasal spray. Indicated in Asthma and Hay Fever.

Arthrytin

Ammonium Orthoiodoxy Benzoate.

In powder and tablets. For the treatment of Chronic Arthritis.

British Industries Fair, Stand Nos. K97-98.

MAY & BAKER Ltd.

BATTERSEA, LONDON, S.W.11

Telephone : Battersea 1813 (6 lines).

Telegrams : "Bismuth," London.

COLLOSOL FERROMALT

(CROOKES)



Daily increasing in popularity with both the medical profession and the public. Collosol Ferromalt is now supplied in an attractive packing, admirably adapted for counter display.

Collosol Ferromalt gives a satisfactory margin of profit, and the assurance of complete satisfaction to your clients.

TERMS AND PARTICULARS FROM

THE CROOKES LABORATORIES

(BRITISH COLLOIDS, LTD.),

22 CHENIES STREET, LONDON, W.C.1

Telephone Nos.:
Museum 3663, 3697, 5757.

Telegrams:
"Collosols, Westcent, London."

THE MOST SUCCESSFUL
IRON TONIC on the
MARKET.

Export Distributing Agents, AYRTON, SAUNDERS & CO., LTD., LIVERPOOL.

HYDROGEN PEROXIDE

IN BOTTLES—ALL STRENGTHS

Exceptional Stability and Purity

ATTRACTIVE TERMS

GENOXIDE LIMITED, LUTON

AN OLD FASHIONED—BUT REALLY EFFECTIVE
remedy for COUGHS, COLDS, IN-
FLUENZA and BRONCHIAL troubles.

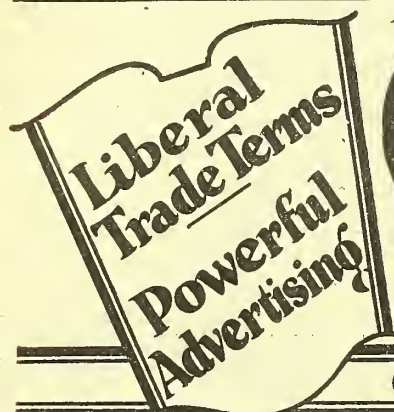
Licoricine
ACTS LIKE MAGIC

Prices 10½d., 1s. 3d. and 3s.

MANDALL & CO. Ltd., 17/23 Stepney Rd., Newcastle-on-Tyne.

TERMS.

10½d. size, 8/6 per doz.
1/3 " 12/- "
3/- " 27/- "
Less 5% dis. on £0 orders.
10½d. size, 8/1 per doz.
1/3 " 11/5 "
3/- " 25/8 "
Carriage paid on orders of
£2 and over.



Cephos
THE
PHYSICIAN'S REMEDY
for

HEADACHE, NEURALGIA, RHEUMATISM, NEURITIS, Etc.

Is now being vigorously advertised throughout the country.

POWDER AND TABLETS. RETAIL AT 1/3 and 3/-

:: Sole Proprietors ::

CEPHOS LTD.

BLACKBURN



The line
that means
**BRISK
BUSINESS**

Snowfire is making new headway again; the magic little tablet is finding its way into every home. A vigorous advertising campaign is speeding up sales all round. Snowfire Tablet is a line to rely on—just like the other Snowfire products—

Snowfire Cream. Snowfire Face Powder.
Snowfire Jelly. Snowfire Shampoo.
Snowfire Toilet Soap. Snowfire Shaving Stick.

Snowfire
TABLET

F. W. HAMPSHIRE
& CO. (1927) LTD.
Sunnydale Works, Derby.

AGENTS:
India—Messrs. Siqueira & Son, 121
Fort Street, Fort, Bombay.
Australia—Messrs. Salmon & Spraggon
(Australia) Ltd., 218 Kent St.,
Sydney, N.S.W.

**Tested, Tried
and Proved**

THE value of 'Yadil' is fully recognised by qualified judges. It has been sold all over the world and is being used to-day "back of beyond" as well as in the homes of our own country. Its sale is steadily increasing, old customers are retained while new ones are being added. One or two displayed bottles will quickly establish business which will prove profitable and regular. Any assistance we can give in the provision of advertising material is yours for the asking. The 'Yadil' lines cover, 'Yadil' Anti-septic (liquid and pills), 'Yadil' Ointment, 'Yadil' Pastilles and 'Yadil' Soap.

Yadil Products (1925) Ltd.
Sicilian House, London, W.C.1

INFLUCINE

**A local Spray Vaccine for the
Prevention and Treatment of
INFLUENZAL COLDS
and other bacterial diseases
of the Respiratory Tract.**

RETAIL PRICES :

15 c.c. BOTTLE OF INFLUCINE - 2/6
SPECIAL ATOMISER - - - - 3/6
COMPLETE OUTFIT (comprising above) - 5/-

Subject to Usual Trade Discounts.

Drug & Chemical Corporation, Ltd.

204-206 Great Portland Street, LONDON, W.1

Telephone : MUSEUM 8658.

Please send post card for our representative to call upon you.

A chance to make more profit on **Lysolats**

Entirely **BRITISH**
owned and made by
BRITISH LABOUR.

PATENT 118667 (**LYSOL TABLETS**)

The safe form of lysol

SPECIAL WINDOW DISPLAY BONUS



Parcel No. 1.
3 doz. 1/3 size
@ 10/6 doz. **£1 11 6**

Bonus 1/2 doz. 1/3 size.

Parcel sells for **£2 8 9**

Parcel No. 2.
5 doz. 1/3 size @
10/6 doz. ... **£2 12 6**
1/2 doz. 2/- size @
18/- doz. ... **9 0**

Total cost **£3 1 6**

Bonus—1/2 doz. 1/3 size.
1 only 2/- size.

Parcel sells for **£4 16 6**

Parcel No. 3.
10 doz. 1/3 size @ 10/6 doz. **£5 5 0**
2 doz. 2/- size @ 18/- doz. **1 16 0**
Total cost ... **£7 1 0**

Bonus—1 doz. 1/3 size.
1/2 doz. 2/- size.

Parcel sells for **£11 5 0**

Small Size, Wholesale 10/6 per doz. Retail 1/3 per tin.

Large Size, Wholesale 18/- " " " 2/- " "

All orders carriage paid through usual wholesaler.

Buy on Bonus Terms and get the extra tins free.
Attractive New 3-Panel Showcard sent on request.

SOLIDOL CHEMICAL LTD.
DISNEY STREET, LONDON, S.E.1

ROBORANS

Recognised by the Medical Profession as

THE IDEAL TONIC

Prepared with or without sugar.
Supplied in 8-oz. and 16-oz. bottles.

A BRITISH PRODUCT.

ROBERTS & CO.

Pharmaciens to H.M. the King,

76 NEW BOND STREET, LONDON, W.1

And at PARIS.

CHEMISTS SHOULD ALWAYS HAVE IN STOCK

TOWLE'S PENNYROYAL & STEEL PILLS

Advertised all over the world.

ESTABLISHED 100 YEARS.

Sole Proprietors:

E. T. TOWLE & CO., LTD.
TOLL ST., NOTTINGHAM

PROFIT & REPUTATION

Assured by avoiding imitations and selling

"O. A. P.'s"

(ORIGINAL ANTISEPTIC PASTILLES)

As prepared by WM. ALFRED JONES,
late Joint Proprietor of the

LIVERPOOL THROAT HOSPITAL

Samples and prices on application

Sole Agents, WM. ALFRED JONES LIMITED,
West India House, Maryland Street, LIVERPOOL.

TRY AN 'ASPRO' WINDOW DISPLAY AND BUY ON BONUS TERMS

We are frequently pointing out the wonderful pulling power of the 'ASPRO' Window Display on account of its linking up with continuous and ever-increasing publicity. A test made of a display will interest all chemists who wish to increase their business.

'ASPRO' has a Tremendous Power to Build Up a Chemist's Business

A test will demonstrate what a great power 'ASPRO' Publicity is to help the Chemist. It is not only on account of the actual 'ASPRO' that it usually sells, but also on its great value in bringing customers into the Chemist's shop who would not otherwise have come in. Every time you put an 'ASPRO' window display in you connect up with a £250,000 continuous advertising activity just the same as if you put your own name at the foot of the advertisements. Why not write us for a window display to-day, also take advantage of the liberal bonus terms shown below whereby you can make an extra 17% profit?



SEND FOR ONE OF THESE DISPLAYS



Buy 'ASPRO' on Bonus Terms and Get 17% EXTRA PROFIT

Just have a look through your purchases of 'ASPRO' and you will find that you are in a position to buy on Bonus terms. Buying on Bonus terms means extra profit averaging 17% to you. So why not place your next order through your Wholesaler on Bonus terms?



WHAT THE BONUS IS

BONUS on 10's { One Gross Order - Bonus 1 doz. pkts.
Half Gross Order - Bonus ½ doz. pkts.
Half Gross 10's is minimum order accepted for Bonus purposes.

BONUS on 25's { One Gross Order - Bonus 2 doz. pkts.
Half Gross Order - Bonus 1 doz. pkts.
Quarter Gross Order - Bonus ½ doz. pkts.
Quarter Gross is minimum quantity.

NO BONUS ON 60's.

CONDITIONS

The only conditions made are that the Chemist who buys on these terms undertakes to show Advertising matter in his shop window for 14 days and sell at advertised prices. As 'ASPRO' is so extensively advertised, this action will not only bring customers into the Chemist's shop to purchase 'ASPRO' but should enable the Chemist's staff to make other sales to the customers. Acceptance of Bonus is considered acceptance of conditions regarding display and selling prices. For Bonuses it is not necessary to buy both sizes at the same time, i.e., single lots 6 dozen 10's or 3 dozen 25's will qualify the Chemist.

HOW TO ORDER BONUS PARCELS

We do not sell direct to the Chemist. All our business goes through Wholesalers. Orders may be sent either to your Wholesaler or direct to us. If to us, state the name of your Wholesaler so that we may forward the order on, and the Bonus will be supplied direct by us.

ORDINARY PRICES for { 6d. size containing 10 tablets - 4/6 dozen } **NOTE.**—2/6 size contains 10 extra tablets.
'ASPRO' are as follows: { 1/3 size containing 25 tablets - 11/6 dozen }
{ 2/6 size containing 60 tablets - 21/- dozen }

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & Co. Pty. Ltd. ('Aspro' Dept.), Slough, Bucks.

No proprietary right is claimed in the method of manufacture or the formula.

'Phone: SLOUGH 608

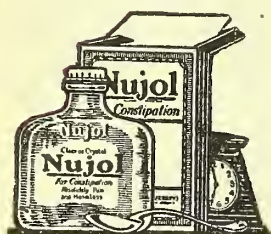
Selling Nujol Saves Time and Makes Money

Nujol is ready for display directly it is unpacked. Time is saved, trouble banished, overheads reduced. This is why Chemists who carry good stocks find window and counter displays so responsive.

Further, Nujol is backed by one of the largest companies in the world, supporting the dealer with continuous publicity in the national press and elsewhere, thereby pre-selling Nujol to the entire community everywhere. Lastly, it pays to sell Nujol because at the reduced prices its value is incomparable and profit generous. Added to this, the efficacy of Nujol is irrefutable.

Sell Nujol and prove these facts.

Send immediately for particulars of special bonus offers for window display



'Regular as Clockwork'

Nujol

REGISTERED TRADE MARK

Distributors for NUJOL LABORATORIES:

ANGLO-AMERICAN OIL CO., LTD.
ALBERT STREET, CAMDEN TOWN, LONDON, N.W.1

Telephone:
Hampstead 8066.

PRICES:

2/- size
16/10 per doz.
3/- size
25/2 per doz.
13/6 (100 oz.
Hospital size)
117/6 per doz.

Telegrams:

"Nufinujol-Norwest-
London."

May we call your

attention to:—

PETROLAX

(BROWN CARTON)

(REGISTERED TRADE MARK)

THE IDEAL PARAFFIN AND AGAR-AGAR EMULSION

PETROLAX COMPOUND

(RED CARTON)

A COMBINATION OF PETROLAX AND PHENOLPHTHALEIN

PETROLAX ALKALINE

(BLUE CARTON)

A COMBINATION OF PETROLAX AND MIST. MAGNES. HYDROXIDI

Note the Prices:—RETAIL 2/- (Nominal ½lb.) 14/- doz

„ 3/6 („ 1lb.) 24/- „

„ 6/- („ 2lb.) 44/- „

Stocked by the leading Patent Houses, or direct from the SOLE MANUFACTURERS:—

C. R. HARKER, STAGG & MORGAN, LTD.

Mile End, London, E.1

GALLOWAY'S COUGH SYRUP

*SHOWS OVER 50% PROFIT
WHEN BOUGHT ON BEST TERMS*

A £5 ORDER

ENTITLES YOU TO

10% DISCOUNT & 2½% FOR PROMPT CASH

WITH A BONUS OF

**½ DOZ. 1/3 SIZE OR ¼ DOZ. 2/6 SIZE
FOR 14 DAYS WINDOW DISPLAY.**

1/3 SIZE 12/- PER DOZ.

2/6 „ 24/- „ „

CARRIAGE AND PACKING FREE. IN UNITED KINGDOM

**LOOK TO YOUR STOCKS AND
SEND YOUR ORDER NOW**

**P. H. GALLOWAY, LTD.
LONDON, S.E.17**



"JOHN BULL" VITAMIN MALT

CONTAINS
2,000 Units Vitamin A
1,000 Units Vitamin D
per ounce and is
RICH IN VITAMIN B.

EVERY BATCH IS TESTED CHEMICALLY AND BIOLOGICALLY AND THE A, B & D VITAMIN CONTENT IS REGULAR AND GUARANTEED.

"JOHN BULL" MALT EXTRACT

is made by a special
process which entirely

Eliminates Crystallization

Wholesale and Export Enquiries Invited.

PAINE & CO., LTD.

"JOHN BULL" Malt Extract Works
ST. NEOTS - HUNTS

ORDER NOW
FOR WINTER
TRADE.



MASON'S Ginger Wine Essence

QUICK
SALES

GOOD
PROFIT

Liberal Window Show Allowance
Artistic Display Material

SEND FOR PRICES.

NEWBALL & MASON, LTD. NOTTINGHAM

"YEAST FOR VITAMIN B."

*Yeast specially prepared for medicinal
purposes.*

GUARANTEED ABSOLUTELY PURE.

MIDGLEY & PARKINSON, LTD.,
WARREN WORKS, PUDSEY, LEEDS.

OLIVE OIL

Producers—CHAFFARD & COUDERC,
MARSEILLES (France).

Sole distributors for Australia:

WILLMOTT, PRISK & CO., LTD.

ADELAIDE: 134 Grenfell Street; SYDNEY: 379 Kent Street;
MELBOURNE: 37 Swanton Street.

MAJAX

The ideal milk sugar for babies. We are
having direct orders from all parts of the
country. Why not participate in this business?

For terms write to Proprietors

MAWSON & PROCTOR, LTD.
NEWCASTLE-ON-TYNE.



New Sunshine Glaxo

Only two sizes

in the WHITE TIN

with the YELLOW BAND

Sunshine Glaxo is the new Prescription (Humanised) Glaxo. It differs from ordinary Standard Glaxo, to the extent that it accords closely in composition with human milk and has extra Vitamin D (the Sunshine Vitamin) added to it.

Tins of Sunshine Glaxo are sent out with a yellow paper band round them, whilst the tins themselves are white and quite distinctive.

Make a display in your pharmacy with a tin of each size and the attractive showcard which we shall be pleased to send you on request.



SUNSHINE GLAXO

WITH ADDED VITAMIN D

SALES MANAGER—GLAXO HOUSE, 56 Osnaurgh St., LONDON, N.W.1

25 for 10½d.
50 for 1/6
P.A.T.A.

LYCO

*Pure Culture
Yeast Tablets*

Literature and Samples supplied on request by:

**STANDARD YEAST
CO., LTD.**

**LONDON
CHISWICK
W.4**

Guarantee

Our Lyco Yeast Tablets are expressly guaranteed to contain pure Culture Yeast only and no addition of drugs or any other ingredients is made in the preparation of Lyco Yeast Tablets.



Build up your Strength

Terms and full particulars on application to the Sole Manufacturers:

THE STANDARD YEAST CO., LTD.

Lamb Distillery

CHISWICK, LONDON, W.4

Telephone: CHISWICK 3370-71.

ESTABLISHED 1793.

The Best and
Safest Infants'
Medicine of
over 130 years'
standing.

**ATKINSON & BARKER'S
INFANTS' PRESERVATIVE**

Does not
contain
any
Scheduled
Poison.

ROBERT BARKER & SON, LTD., 13 WESLEY STREET, C. on M., MANCHESTER

MALT EXTRACT AND MALT & OIL

"The Malt that cannot crystallize."

We are in a specially favourable position to supply these commodities in *Bulk*. You cannot buy better.

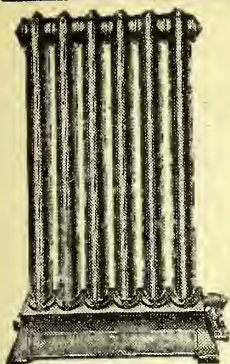
WHOLESALE AND EXPORT ENQUIRIES INVITED.

JEFFREYS, MILLER & CO., LTD.

Leyland Mills, WIGAN.

'Phone: 327 Wigan.

'Grams: "Maltum," Wigan.



The
**best & cheapest
method of
SHOP
HEATING**

Wright's "Regulo"-controlled Gas Radiators are ideally suitable for shop heating. They require no attention and cannot get out of order.

The "Regulo" automatically cuts down the gas when the radiator attains the desired temperature thus preventing wastage of gas and over-heating of the air.

Approved by the L.C.C.

WRIGHT'S
GAS
"REGULO"-CONTROLLED
RADIATORS
JOHN WRIGHT & CO.
(Dept. A)
ESSEX WORKS, ASTON, BIRMINGHAM
(Radiation Ltd., Proprietors)

A new edition of the booklet
"Loops of Heat" is now available.

GARDINER'S OVERALLS

FOR

Chemists and Druggists

Jackets and Coats of very superior quality, made from the most reliable materials, smartly cut and thoroughly well finished in every detail.

WHITE DRILL JACKETS	...	...	6/11, 8/11, 10/6
KHAKI DRILL COATS	...	6/11, 8/11, 10/6, 12/6, 14/6	
WHITE DRILL COATS	...	9/6, 12/6, 13/6, 15/6	
BLACK DRILL COATS	...	...	15/6
UNBLEACHED COATS	...	...	8/6

STOCK SIZES: 34 to 44 chest measure over waistcoat. Special pockets and little adjustments can be made without extra charge. POSTAGE on single coat 9d., but 20/- orders upwards carriage paid. SPECIAL PRICES FOR LARGE QUANTITIES.

GARDINER

& CO. (The Scotch House), LTD.

1, 3, 5 COMMERCIAL RD., LONDON, E.1

Telephone: Bishopsgate 6751

Established 1839

BRANCHES:

Deptford, Edgware Road, Woolwich,
Clapham Junction and Knightsbridge.



When you require
Medicinal Non-Freezing

COD LIVER OIL B.P.

be sure to only get the
guaranteed genuine

LOFOTEN

Quality

"VITA" BRAND

produced by

RAGNAR SCHJØLBERG,
Bodø, Norway

entirely in their own large and most modern plant of latest design, from finest possible obtainable quality Pure Lofoten Cod Liver Oil.

PROTECT YOURSELVES
against inferior or mixed oils by placing your orders for "Vita" Brand under our guarantee.

STOCKS ALWAYS HELD IN LONDON

Full particulars and samples from:

BRUCE STARKE & Co.

16 Water Lane,
Great Tower Street,
LONDON, E.C.3

SOLE AGENTS FOR U.K.

Telegraphic Address: "Starkemad, Bilgate, London."
Telephones: Royal 0137 & 0138.



Extensive Propaganda to the medical profession helps your sale of B. F. I.

Over 30 years' use in hospitals and by physicians has proved the value of B.F.I. the safe, antiseptic healing powder.

B.F.I. is protective, astringent, absorbent. It will not cake in use and is ideal for wounds or where weeping surfaces are present.

In handy tins with sprinkler tops. Two sizes :

Large size retailing at $3\frac{1}{4}$

Small size retailing at $1\frac{1}{6}$

SPECIAL OFFER—Write to-day for particulars of special bonus offer to Chemists which is made in addition to full sales helps, leaflets, window display material, etc.



H. K. MULFORD COMPANY, LTD.

Regent Arcade House, 252 Regent Street, Oxford Circus, London, W.1

Telephone : Regent 2567.

DEPOTS IN AUSTRALIA, CANADA, CHINA, INDIA, SOUTH AFRICA, AND STRAITS SETTLEMENTS.

"STERAID" Regd. Dressings

Patent No. in Great Britain 221761/1924 and patented in all the principal foreign countries.

Patent Rotating Canister packing to retain aseptic conditions. In use, only the amount required is withdrawn and cut off. The remainder is not exposed.

GAUZES.						LINTS. PLAIN and BORIC.		
Minimum Public Prices Each			Minimum Trade Prices Per Doz.			Min. Public Prices		
6-yd.	3-yd.	1-yd.	6-yd.	3-yd.	1-yd.			
Sal Alembroth						2 in. wide	1/3 each	11/3 doz.
Sublimate	2/3	1/3½	-/8½	20/3	11/6	4 "	1/9	15/9 "
Carbolic						6 "	2/3 "	20/3 "
Boric						Approx. 6 yds. Plain and 4 yds. Boric		
			Plain Absorbent			6-yd. 3-yd. 1-yd.	18/-	10/6
			Double Cyanide			6-yd. 3-yd. 1-yd.	22/6	12/9
			Picric			6-yd. 3-yd. 1-yd.	27/-	15/-
			Iodoform			6-yd. 3-yd. 1-yd.	7/6	

ORDER THROUGH USUAL WHOLESALE.

ROBERT BAILEY & SON LTD., Marriott Street Mills, STOCKPORT

Phone : Stockport 2794

London Office : SOUTHAMPTON ROW, W.C.1

Wires : "Undisputed, Stockport."

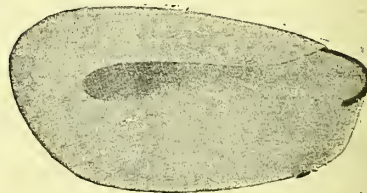
E. M. WALDEN Ltd.

Manufacturers of Surgical Instruments, &c.

SURGICAL, VETERINARY & DENTAL INSTRUMENTS;
HOSPITAL FURNITURE; STERILISERS; SYRINGES;
SURGICAL GLASS & ENAMEL WARE; SURGICAL
DRESSINGS OF ALL DESCRIPTIONS; SUNDRIES.

Wholesale & Export Only.

136 Borough High Street, London, S.E.1.

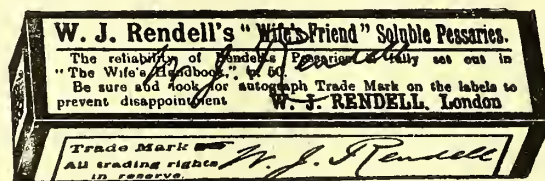


No. 785.

Telegrams :
"Walden Hop 5645."
Phone : Hop 5645-6.

*First———50 years ago
Unequalled——To-day*

**RENDELL'S
SOLUBLE QUININE PESSARIES**



Recommended by the Medical Profession.

Chemists in all parts of the country find that this preparation is selling better than ever because

The Public will not tolerate substitutes

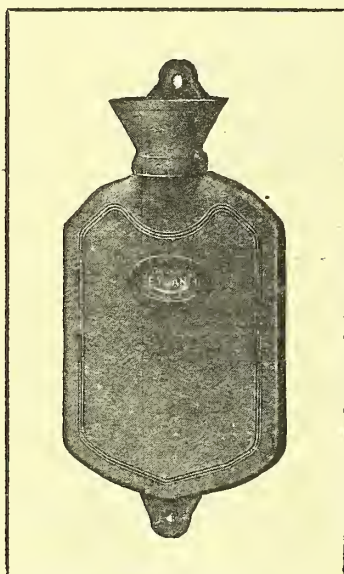
Don't run the risk of disappointing a customer. Get a supply of "RENDELL'S" from your Wholesaler.

W. J. Rendell

Inventor and Sole Maker.

Interesting Literature can be obtained free upon request.

English Made
**MOULDED
RUBBER
HOT WATER
BOTTLES**
Reinforced



No. 4914

10X8	...	...	39/= doz.
12X8	...	...	42/= „

**PACKED EACH
IN SHOW BOX**

STOCKED BY

WILLIAM TOOGOOD
LIMITED,
77 SOUTHWARK STREET
LONDON, S.E.1

“ MOSANS ”
Non-Greasy, Odourless
QUININE PESSARIES



15/-
per dozen
boxes

ORDER THROUGH USUAL WHOLESALER.

Avoid Imitations and see the No. 332117 on each box.

Write for terms to the manufacturers.

15 Elmcourt Rd., London, S.E.27

**Always
keep a display
of**

NORVIC
BLUE CARTON
CRÊPE BANDAGES

Cost	2/-	2 1/2	3	3 1/2	4
Sell	1/6	1/11	2/3	2/8	3/-

**You will
find it pays!**

Stocked by all the leading wholesalers.



*The best known and most reliable non-greasy
pessary on the market.*

Sold by high-class chemists all over the Country.

**BERTRAND'S
NON-GREASY**

ODOURLESS Quinine PESSARIES

Price 15/- per dozen Tins.

SEND FOR FREE SAMPLE.

CHARLTON & CO., Sydenham, London, S.E.26
Telephone—Sydenham 3979.

Or from Leading Wholesale Houses.

The Surgeon's Choice!

Every Surgeon knows that Mead's Plaster is—

The Original.

Instantly and Firmly Adhesive.

No Heating or Moistening.

Perfectly Pliable but Strong.

Non-Irritating.

Free from Dammar Resin.

Least Affected by Changes of Climate.

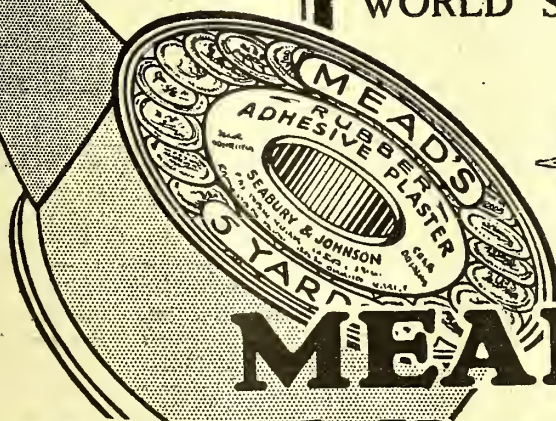
By reason of these qualities Mead's Plaster answers perfectly in every case requiring the use of strapping plaster and is preferred by surgeons and hospitals, by military, naval, police and other authorities. To sell Mead's is to sell the Plaster that has set A WORLD STANDARD of reliability.

Supplied in every convenient width on spools of 10, 5 and $2\frac{1}{2}$ yards. Also 7 and 12 inches wide, Plain or Porous, in 1 and 5 yard rolls, etc.,

Also
MEAD'S
"MULTIWIDTH"
Rubber Adhesive
Plaster

and
SEABURY'S
"MULTIWIDTH"
Oxide of Zinc
Plaster

On single spools
containing
4 WIDTHS:
 $\frac{1}{4}$ in., $\frac{1}{2}$ in., $\frac{3}{4}$ in.,
and $1\frac{1}{2}$ in.



Sole consignees

FASSETT & JOHNSON L

86 Clerkenwell Road, LONDON, E.C.1
And at DUBLIN · SYDNEY · CAPE TOWN

MEAD'S Rubber Adhesive Plaster

LIQUID PARAFFIN

Sterns B.P.
is guaranteed to be the finest quality of Liquid Paraffin produced. It has the patronage of the largest wholesalers, the recommendation of the Medical profession, and is used in the principal Hospitals in preference to all other kinds.

STERN'S
LTD.,
60 Royal London House,
Finsbury Square,
E.C.2.

Best sellers
The public is asking for **ZEAL** CLINICAL THERMOMETERS because they are:-
GUARANTEED TO STAY ACCURATE
CONSISTENTLY ADVERTISED

Made by
ZEAL
-the name the public knows.

G. H. ZEAL, LTD.,
75 & 77, St. John St., London, E.C.1.



**COLD WEATHER
AHEAD—ORDER NOW**

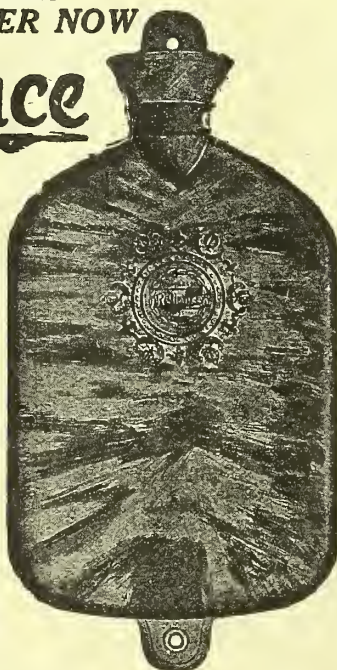
Reliance

REGD. TRADE MARK
Seamless-Moulded

HOT WATER BOTTLES

British made from pure Plantation Rubber and perfectly vulcanised.
Unique Designs.
Beautiful Colourings

Buy your Rubberware direct from the most up-to-date Manufacturers in the trade—who for Forty Years have given real good service to the Retailer—good profits, quick delivery, and Maintained Fixed Prices.



Reliance Rubberware Ltd.

WHOLESALE AND EXPORT WAREHOUSES:
39-40a ALDERSGATE STREET, LONDON, E.C.1
Factories: Formosa Street, and Amberley Road, Paddington, W.9

Dr. SCHOLL'S TOE-FLEX

Is the recognised corrective device for crooked big toes, bunions, enlarged, painful joints and overlapping toes. Its enormous sale is being continually increased by a steady flow of national advertising in all the most widely circulated newspapers and magazines. Dr. Scholl's Toe-Flex shows a satisfactory margin of profit. Made of pure Para rubber in three sizes. Retail price, 2/- each.

Write to-day for full particulars.

The SCHOLL MFG. CO., LTD.
Granville Square, London, W.C.1:



Chemists' Fittings

When you want Shop Fittings it will pay you to send to

GEORGE COOK

The Chemists' Working Shopfitter.

27 Macclesfield St., City Road, E.C.1
LONDON.

30 years' experience.

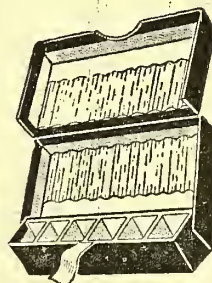
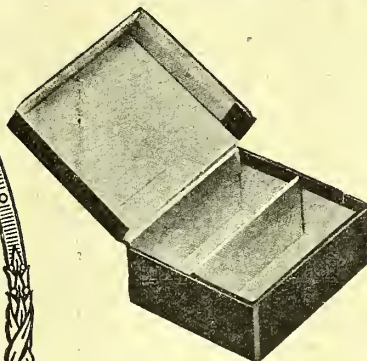
Rough Sketches free.



ROBINSON'S of CHESTERFIELD for CARDBOARD BOXES

ROUND · OVAL · SQUARE · FOLDING

ROBINSON & SONS LTD.
CHESTERFIELD & LONDON



CHEMIST BOXES

We specialise in the manufacture of small boxes for chemist use, and our range of these boxes is large and varied.

May we have the opportunity of quoting you for your requirements when next you are in the market?

ROBINSON & SONS, Ltd.

Manufacturers of ROUND, OVAL, SQUARE AND FOLDING
CARDBOARD BOXES,

CHESTERFIELD

"By medicine life may be prolonged, yet death will seize the doctor too."

—SHAKESPEARE.

THE best medicine to prolong life is freedom from worry, and there is no better safeguard against financial worry than the knowledge that one has adequate Life Assurance. Every man can be his own doctor in this respect and so prolong his life, and when death does seize the doctor it can be met without fear or faltering, secure in the knowledge that the home is left in order.

By arrangement with

THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

SPECIAL TERMS are granted to Members.

WRITE TO-DAY FOR BOOKLET "BN," GIVING FULL PARTICULARS.

The STANDARD LIFE
ASSURANCE COMPANY

LONDON

46 QUEEN VICTORIA ST. E.C.4
15a PALL MALL S.W.

ESTABLISHED

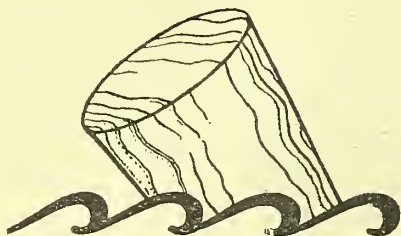
1825

DUBLIN

59 DAWSON STREET

HEAD OFFICE - 3 GEORGE STREET
EDINBURGH





EXPANSION

OUR ever-increasing business has forced us to seek larger premises, and we are now located in our new offices at Aldwych House, Aldwych, W.C.2.

In future all enquiries for samples and quotations should be addressed to

**ARMSTRONG
CORK CO. LTD.**

**ALDWYCH HOUSE
ALDWYCH, W.C.2**

Telephone : Holborn 1343.
Telegrams : Armcorko, Estrand, London.

Write NOW for Samples
and Quotations.

CELLOPHANE

The ideal transparent wrapping absolutely harmless, air and grease proof, as used by all the leading Perfumers, Soap Manufacturers, etc., etc., for wrapping Soap, Drugs, Tablets, Bath Crystals, Perfumery, Surgical Dressings, Sponges, Puffs, Soothers, Tooth Brushes and all Articles of Toilet.

Cellophane can be had in sheets, all sizes and colours; also in the shape of Bags, Discs, Envelopes, printed or not, allowing the contents to be seen by transparency.

Cellophane wrapped goods look better—keep better—sell better.

Cellophane protects, beautifies and adds the quality touch.

Prices, Samples and Particulars from
The CELLOPHANE COMPANY LTD.
7, 8 and 9 Bird Street, LONDON, W.1

Also 305-7 PRODUCE EXCHANGE, MANCHESTER.
35 MILLER STREET, GLASGOW.

*In the last
5 years
the sales of*



TOWN TALK

**LIQUID SILVER POLISH
& SILVER PLATE CLOTH
have increased
3 Fold**

Get your share of the
trade by ordering from

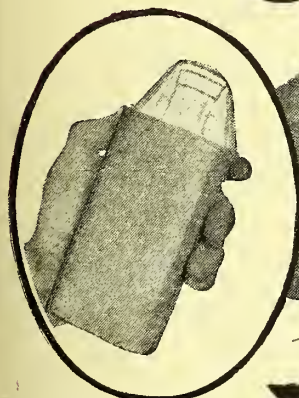
JAMES WOOLLEY, SONS & CO., Ltd.,
Manchester
AYRTON, SAUNDERS & Co., Ltd., Liverpool
BROOKS & Warburton (American Drug
Supply Co.), Ltd.

Town Talk Polish Co.
Whitby St., Bradford Road, Manchester

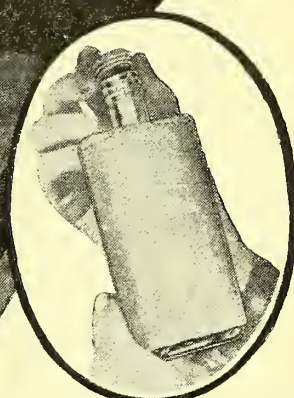
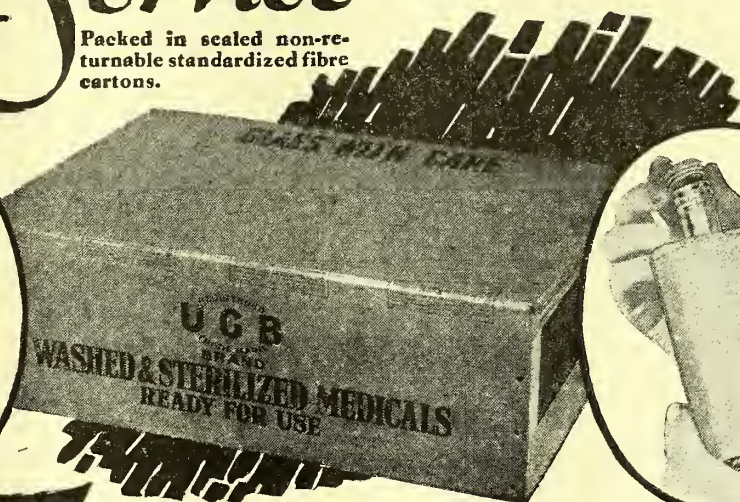


The U.G.B. COMPLETE Medical Bottle Service

Packed in sealed non-re-
turnable standardized fibre
cartons.



CORK MOUTH
SERVICE



SCREW CAP
SERVICE

*Washed & Sterilized—
ready for use*

*Indispensable to the
busy dispenser*

NOW
AVAILABLE
FROM LEADING
WHOLESALE
DISTRIBUTORS

UNITED GLASS BOTTLE
MANUFACTURERS • LIMITED

The largest manufacturers of Glass Bottles in Europe.

Head Office:

40/43 NORFOLK ST., STRAND, LONDON, W.C.2

Telephone: Central 8080 (10 lines). Telegrams: "Unglaboman," Estrand, London.

Works: Charlton, London; Castleford Yorks.; St. Helens, Lancs.;
Hunslet, Leeds; Seaham Harbour, Durham.

G. W. CARNRICK CO.

DEPENDABLE GLAND PRODUCTS

Specify CARNRICK (Trade Mark)

Our organotherapeutic products are made from fresh glands of healthy food animals in our own laboratory, under the supervision of competent chemists. All moisture has been removed from these gland products and they will keep indefinitely if contents are not exposed to moisture and bottle is kept tightly corked.

**HORMOTONE
SECRETOGEN
VIRILIGEN
RYTHMIN**

**TRYPSOGEN
KINAZYME
MAMMAGEN
ERYTHROGEN**

Special Formulae:

- | | |
|---------------------------------|------------------------------------|
| No. 1. Glandular Comp. (Male) | No. 7. Parathyroid Comp. |
| No. 2. Glandular Comp. (Female) | No. 8. Thymus Comp. |
| No. 3. Pineal Comp. (Male) | No. 9. Mammary Comp. |
| No. 4. Pineal Comp. (Female) | No. 10. Suprarenal-Pituitary Comp. |
| No. 5. Orchic-Prostate Comp. | No. 11. Ovarian Comp. |
| No. 6. Corpus Luteum Comp. | No. 12. Renal-Pancreas Comp. |

**OUR COMPLETE LIST OF COMBINED AND SINGLE
GLAND PRODUCTS WILL BE SENT ON REQUEST**

Distributors for G. W. CARNRICK CO.'S Products:

- | | | | |
|----------------|---|---|--|
| LONDON - | - | - | BROOKS & Warburton, Ltd.,
40-42 Lexington Street, London, W.1. |
| AUSTRALIA - | - | - | AYERS & JAMES PTY., Ltd., Melbourne.
ELLIOTT BROS., Ltd., Sydney. |
| HOLLAND - | - | - | FIRMA B. MEINDERSMA,
The Hague — Amsterdam — Sneek. |
| INDIA - | - | - | MULLER & PHIPPS (INDIA) Ltd. |
| NEW ZEALAND - | - | - | CONNELLY BROS., Auckland and Wellington. |
| SOUTH AFRICA - | - | - | LENNON, Ltd., Cape Town.
SIVE BROS & KARNOVSKY, Johannesburg. |

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C.4

FEBRUARY 16, 1929.

This Supplement is inserted in every copy of The Chemist & Druggist.

THE SUPPLY OF SUPPLEMENTS

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case the name and full postal address should be written on

Post Office Wrappers, Stamped ONE PENNY, to ensure prompt delivery.

If wrappers bear a halfpenny stamp only, postal delivery is delayed.

Loose stamps will not be accepted.

CLOSING FOR PRESS.

MUST REACH US
NOT LATER THAN

FIRST POST THURSDAY MORNING.

ALL ADVERTISEMENTS INTENDED FOR
INSERTION IN THIS SUPPLEMENT

CHEMISTS' TRANSFERS.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

Telephone No.: CITY 2283.

May be consulted at their Offices on matters of Sale, Purchase and Valuation.

1.—WESTERN SUBURB.—General Retail Business, with Kodak Agency and N.H.I.; established many years; returns £1,900 per annum, has done much more; gross profit one-third; double-fronted shop, well fitted and stocked; house sub-let at profit rental; price £1,150.

2.—HERTS.—General Retail and Prescribing Business, with N.H.I.; returns about £1,100 per annum, with scope for increase; stock and fixtures estimated at about £500; rent £80; long lease; good living accommodation; price about £700.

3.—LONDON, N.—General Retail and Dispensing Business; returns £1,600 per annum, at usual prices; good living accommodation; long lease; stock and fixtures estimated at £1,000; price £1,350.

4.—LONDON, S.E.—General Retail and Prescribing Business; established many years; increasing turnover; January's returns being £124; rent 15s. weekly; lock-up shop; held on lease; price £550; vendors are anxious to sell immediately.

5.—CROYDON (Near).—Retail and Prescribing Business, with Post Office attached; returns average £1,400 per annum; well-stocked shop; comfortable residence; moderate rent; new lease; price £1,050.

6.—WALTHAM GREEN.—General Retail and Dispensing Business, with large N.H.I.; established many years; returns approached £1,600; net profit above the average; good house; rent £80; held on lease; price about £1,250, or valuation terms entertained.

7.—ESSEX (Within easy reach of Town).—Cash Retail Business, with Kodak Agency; returns, under manager, approach £2,000 per annum, with scope for increase in the hands of a principal; good living accommodation; a new lease will be granted; valuation terms entertained.

8.—WESTERN COUNTY.—Country Town Retail Business, with Kodak Agency, for disposal; house attached; good lease

and low rental; present returns £1,500-£1,600; good scope for increase and for introduction of Optical; price, stock, fixtures and goodwill, £1,200.

9.—WESTERN COUNTY.—Unopposed Retail and Dispensing Business; returns last year £1,150 and for first six months of this year £650; net profit £360; net rent about £42 per annum; new lease; well-fitted shop; stock estimated to be worth £530; vendor is desirous of selling forthwith and will accept £800 or near offer.

10.—LANCASHIRE.—Mixed Retail and Dispensing Business, with Kodak Agency; returns exceed £2,100 per annum; net profit approximately £500; double-fronted shop, well fitted and stocked; good house; moderate rent; held on lease; valuation terms entertained.

11.—KENT.—General Retail and Photographic Business; returns last year £1,700, increasing; gross profit 38 per cent.; ample living accommodation; lease will be granted; stock and fixtures estimated to be worth about £800; price about £1,250.

12.—SOUTH-EAST COAST.—Cash Drug Store for disposal; returns over £2,000 per annum, with scope for increase; there are two shops; rent £110; living accommodation; held on lease; offers invited.

13.—HOME COUNTY.—General Retail and Dispensing Business, with Photographic and small Optical connection; returns about £1,100 per annum, with scope for increase; double-fronted shop; living accommodation; rent 15s. weekly; long lease; price £550.

14.—SOMERSET.—General Retail Business, with Optical connection; returns last year £2,047, with net profit £522; double-fronted shop, well fitted and stocked; living accommodation; rent £95 per annum; a new lease will be granted or the premises may be purchased; price £1,500.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the Value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make **Special Terms** for such service.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4

The Association of Manfg. Chemists, Ltd.

Business Agency, Transfer & Valuation Department

Head Offices—Kimberley House, Holborn Viaduct, London, E.C.1 (and at 2 Bixteth Street, Liverpool).

PARKIN S. BOOTH, Accountant and Valuer. Phone: City 1261-2-3

BUSINESSES FOR DISPOSAL

- 1.—STAFFS.—Established Chemist's Business; situated on main road; unopposed in Photo and Optics; returns £24 p.w., scope for increase; lease can be arranged; rent £65 p.a.; price asked, lease and goodwill, £150, fixtures and fittings £150, and stock approx. £450. Full particulars on application. (179)
- 2.—MANCHESTER (District).—Old-established Dispensing Chemist Business in good-class suburb on a yearly tenancy at £120 p.a.; let off £117; returns average £27 per week, all cash; excellent opportunity, as quick sale is desired; good reasons. (172)
- 3.—DURIAM CO.—Chemist Business for immediate disposal; lease can be arranged at £50 p.a. rent; takings £17; Kodak and Ucal Agencies; good living accommodation. (174)
- 4.—STAFFS DISTRICT.—Chemist's Business for Sale; held on lease with 5 years to run at rental of £40 per annum; good living accommodation; good scope; price for goodwill, fixtures, lease, etc., £170; stock at valuation; cause of sale lack of capital. Full particulars on application. (169)
- 5.—HULL.—Dispensing and Family Chemist Business in busy thoroughfare (which will shortly become a main road owing to alterations); rent £26 on a yearly tenancy, which can be secured; returns £900 p.a.; lock-up shop; good prospects for a young qualified man. Further particulars on application. (170)
- 6.—SOMERSET.—Drug and Photographic Business; premises, which consist of lock-up shop with room at rear, held on lease with 8 years to run at rental of £88 p.a. inclusive; good scope for live man; price asked £400. (178)
- 7.—LONDON, S.W.—Very old-established Family Retail and Dispensing Business, occupying prominent corner position in busy thoroughfare; lock-up shop with storage accommodation; held on advantageous lease at £100 per annum; returns approximately £2,300 per annum; can be increased under personal management. Full particulars on application. (148)
- 8.—LONDON, N.—Old-established Retail Dispensing Cash Pharmacy; well-fitted shop and good stock carried; returns average £24 per week, but can be increased with capital; premises include good living accommodation, and freehold can be purchased, or lease obtained; fullest particulars on application, no reasonable offer refused. (182)
- 9.—LONDON, N.W.—Retail Dispensing Business on 13 years' lease at £52 per annum inclusive; returns £1,000 p.a.; excellent opportunity for young qualified man. Further particulars on application. (183)
- 10.—SOUTHEAST-ON-SEA.—For immediate disposal, Chemist's Business, in busy centre; premises consist of lock-up shop, with Dispensing and storage room; rent £200 per annum, progressive; returns average £1,500, could be increased. Full particulars on application. (175)
- 11.—WANTED.—Two Chemists' Businesses in or near London; net profits not less than £1,000 per annum. All communications treated with strictest confidence.
- 12.—CARMARTHENSHIRE.—Old-established Chemist's Business situated in good position on main street, with living accommodation; held on lease for 7-14 years; rent £400 p.a.; returns average £35-40; could be increased; stock approx. £8-900. Further particulars on application. (176)
- 13.—LANCS.—Old-established Chemist's Business, with Wine Licence; premises consist of shop and dwelling-house; property for sale, £1,000. Full particulars on application. (177)
- 14.—LONDON, N.—Established Chemist's Business; premises, which include convenient living accommodation, held on lease, 15 years to run; rental £50 p.a.; stock approx. £285; price asked £550, all at. Further particulars on application. (180)
- 15.—LONDON, S.E.—Old-established Dispensing and Family Business; in good position; returns average £20 per week; well-fitted shop; good scope for young and energetic chemist; price, all at £550. Full particulars on application. (184)
- 16.—LONDON, S.E.—Well-situated Drug Stores; premises held on lease, with 17 years to run, at rental of £68 per annum; let off £91; returns average £25 to £30 per week; good opening for N.H.I.; growing district; fullest particulars on application. (185)
- 17.—ESSEX.—Two Chemists' Shops for immediate disposal; premises held on lease at rental of £62 and £52 respectively; returns average £1,189 and £792 per annum; price asked £1,000 all at; full particulars on application. (187)
- 18.—SHEFFIELD (Suburb).—Chemist's Business; recently established; rent 14s. weekly; rates 7s. 6d.; returns approximately £780; could be considerably increased; offers invited. Further particulars on application.

Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

ERNEST J. GEORGE

CHEMISTS' VALUER

Invites enquiries relative to the following, which have been carefully investigated.

- 32.—LONDON, E.—Small going concern, doing £850 p.a., with N.H.I.; long lease; scope for energetic man; price £475.
- 33.—LONDON, S.E.—Unopposed position in thickly populated district; lock-up; turnover (average) £1,300 p.a., under management; price £550.
- 34.—LONDON, S.W.—Old-established Retail and Dispensing, with Sub-Post Office, in main road, doing £1,500; N.H.I. and Kodak Agency; living accommodation; price £850.
- 18.—CHESHIRE.—Small Family Business; immediate living for young pharmacist; present turnover £900; can be increased; favourable lease, 20 years to run; rental £32, rising to £58; no living accommodation; stock and fixtures about £700; accept valuation; goodwill to be arranged.
- 31.—LONDON, W.—Good opportunity for energetic man in middle-class Business, doing £1,410 p.a.; gross 40%; long lease; accountant's figures available; price £1,050.
- 30.—LANCASHIRE COAST RESORT.—Good Retail Business doing over £2,000 p.a.; net profit £500 approx.; N.H.I. and Kodak Agency; good house attached; shop and house recently improved; 14 years' lease; rent £52, rising to £78 p.a.; will bear investigation; price £1,650, or near offer.
- 29.—ESSEX COAST.—Owner retiring; established 25 years; Family and Dispensing, with Photo; no opposition; present turnover £1,100; good opportunity for "live" pharmacist; price £700.
- 28.—SUSSEX COAST.—High-class Pharmacy, fully stocked; Library, 200 books; lady assistant; new fittings; 20 years' lease; rent £96; rates £30 p.a.; average £35 p.w. (only opened 9 months); excellent prospects; N.H.I. 300 per month; house attached, electric all through, 5 rooms, bathroom (h. & c.); price £2,500.
- 27.—POPULAR LANCASHIRE WATERING-PLACE.—Good corner Pharmacy; tram route; turnover £2,500; net profit £550; large Photographic trade; excellent scope for general increase for keen man; stock and fixtures at valuation; goodwill to be arranged.
- 25.—LONDON, W.—Excellent opportunity for unqualified man to acquire unopposed Business doing £700 (with Kodak Agency); price £275.
- 23.—LONDON, S.W.—Old-established Family and Dispensing Business, with Photo and Optics, also N.H.I.; well-fitted and stocked Pharmacy; good house, garden, side entrance, etc.; price £1,200 (optical stock and equipment extra, and optional).
- 22.—MIDLANDS.—Excellent opportunity for young qualified man; Drug Store in growing district; population 4,000-5,000; no opposition; well fitted and stocked; good living accommodation and lease; rent 17s. 6d. weekly; present turnover £750; audited accounts; doctors and nursing home near; good prospects for N.H.I.; live Kodak Agency; qualified man could considerably increase; stock and fittings about £300; total ingoing for quick sale, £500.
- 21.—BERKSHIRE.—Unopposed position, with scope for Pharmacist; good house and well-equipped pharmacy; price of freehold, including new fixtures, £1,600; stock (about £500) at valuation.
- 19.—Special offer of Wholesale Druggist's Business in provinces; turnover about £10,000; good net profits; capable of much expansion; inquiries invited.
- 16.—LANCASHIRE COAST.—Turnover, about £1,900; profit £450; stock and fixtures, estimated £1,000; total ingoing £1,500; Kodak Agency; lease can be arranged.
- 15.—NORTH STAFFS.—Family and Dispensing, with Optics and Photography; N.H.I. average 750 scripts per month; turnover, approximately £1,300; profit about £350; price £330; premises can be bought or leased; rent 25s. weekly; living accommodation.
- 11.—LONDON, N.W.—Family and Dispensing, N.H.I. Photo; turnover £1,200; rent £140; sub-lets £105; price £450 (stock and fixtures at valuation).
- 9.—SURREY.—Family and Dispensing, with N.H.I., Photo and Stationery; turnover £1,900; good house, freehold, £800 (on mortgage if desired); price of business £1,150.
- 6.—LONDON, E.—Unopposed position; population 14,000; N.H.I., Kodak Agency, also big Prescribing; capable of considerable increase; turnover £1,517; profit £203; rent £65 per annum; sub-let £52 10s. per annum; price £875.
- 1.—LONDON, E.—Established 50 years; general trade and Photography; living accommodation; turnover £850; net profit £250 (plus house free); scope for increase; price £425.

STOCKS, ETC., VALUED FOR ALL PURPOSES

7 Southampton Row, London, W.C.1. Tel. Holborn 8158
3 St. Paul's Close, Walsall. Tel. 774 and 1000

BERDOE & FISH

CHEMISTS' VALUERS AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

- 1.—NORTH WALES COAST.—High-class Retail and Dispensing Business, with valuable specialities; returns average £2,500; splendid position; well fitted and stocked; audited accounts; price £1,600.
- 2.—WESTERN COUNTY.—Good-class Dispensing and Retail, in residential district; returns £1,425; net profit over £400; no immediate opposition; good stock; price £1,000.
- 3.—ESSEX (25 miles out).—Profitable Cash Retail with Branch, returning about £2,000; gross profits £800; audited figures; scope for increase; growing district; fully stocked; price £1,000, or valuation terms arranged.
- 4.—Lincs (Death Vacancy).—Profitable Light Cash Retail, with own specialities; returns average about £900; plenty of scope; no near opposition; good house; price, including freehold, about £1,500; worth attention.
- 5.—NORFOLK.—Old-established Mixed Country Retail; unopposed; returns £1,160; books properly kept; large house, garage, and splendid garden; well stocked; price £1,050.
- 6.—NORTH CORNWALL (Health Resort).—Unopposed Light Retail, with large Photographic; returns £1,255; net profit £435; scope for increase; price £450.
- 7.—KENT.—Light Cash Retail and Prescribing; no N.H.I.; out plenty of scope; returns about £1,000; good profits; low rent; own property; owner retiring; valuation terms arranged.
- 8.—SHEFFIELD.—Cash Retail, with N.H.I. and Kodak Agency; returns average £900; net profit, £276; good unopposed position; price for quick sale, £525.
- 9.—WESTERN SUBURB.—Light Cash Retail and Photographic, with N.H.I.; returns £1,900; audited books; valuable lease; profit rental; price £575, plus stock at valuation.
- 10.—LONDON, S.W.—Light Cash Retail, with N.H.I.; main road position; returns, under manager, £2,000; net profit £458, clear; good stock; price £1,150; personally recommended.
- 11.—LONDON, S.E.—Very profitable Cash Retail; returns £124 monthly at full prices; low expenses; no near opposition; scope for increase; price for early sale £500.

Estab. 1870.

Telephone: Terminus 3574.

JOHN BRIERLEY, F.N.A.A.

CHEMISTS' VALUER AND TRANSFER AGENT,

135 QUEEN ST., NEWTON HEATH, MANCHESTER

I specialise in Valuations, Stocktaking, and Business Transfers.

Expert service, quick results, low fees.

Telephone: Failsworth 113.

CHARLES E. NAYLOR, F.N.A.A.

CHEMISTS' VALUER AND TRANSFER AGENT

Seaside town, West coast, returns over £2,000 per annum; net profit approx. £500, living accommodation, advantageous lease. Manchester, smart pharmacy for sale, property optional. Further particulars apply,

170 Vesper Rd., Kirkstall, Leeds

Phone: Horsforth 324

PREMISES TO LET.

DRIXTON ROAD.—Shops, about 17 ft. by 50 ft., each with upper part of 4 rooms, kitchen and bath; lease 21 years; rent £300 per annum; no premium. Apply Hillier, Parker, & Rowden, 27 Maddox Street, W.1.

ONE or two Sheds, with 4 rooms, bath-room, scullery, etc.; large garden; entrance for car; to Let on lease; main road; 21 miles London; good residential neighbourhood; splendid opening for qualified chemist; Photographic; Optician, etc.; moderate rent. Apply G. B. Lee, Confectioner, Lower London Road, Chalfont St. Peter, Bucks.

HOPS with Flat over to Let on lease in excellent position at Bromley; suit Chemist. Apply Baxter, Payne & Lepper, opposite G.P.O., Bromley, Kent.

UTTON.—Shop to Let, with living accommodation, on newly developed estate, suitable for Chemist; rent £125 per annum exclusive. Apply Stanford & Co., Station Approach, Fshilton.

BUSINESSES FOR DISPOSAL

BEDFORDSHIRE.—Unopposed Business in small country town; turnover £1,300, increasing; house vacant; large yard, outbuildings, garage, etc.; long lease; Kodak and Rexall Agencies; N.H.I.; good opening for Optics; sound reason for disposal; will accept £850 for quick sale. 161/35, Office of this Paper.

COUNTRY Pharmacy for Sale, as lock-up or with accommodation; Rexall and Kodak Agencies; Family Dispensing; profitable own lines; Veterinary; tobacco licence; good scope for Optics; profit £300 p.a.; £450 or near offer, or at valuation. 162/5, Offices of this Paper.

DORSET.—Old-established Chemist's Business in prominent position centre good market town near Bournemouth; price £5,000, all at, including large stock and freehold shop, with excellent living accommodation. 142/953, Office of this Paper.

GLASGOW.—Chemical, Essence, and Food Products Manufacturing Business for sale; compact small factory; additional premises adjoining available; central; low rent. 162/9, Offices of this Paper.

LONDON, S.W.—Exceptional opportunity for a young qualified man; shop is in an excellent position; established several years; long lease; low rent; small overhead charges. Write 142/958, Office of this Paper.

LONDON, N.W.—Drug Store for Sale in populous district; returns, under unqualified management, £580 per annum; great scope for N.H.I. and D. & P. work; price £300. Write "C. H.," 155/25, Office of this Paper.

LONDON, S.E.—Brisk little Business for Sale; turnover £1,000 per year; capable of big increase; main road position in rapidly-growing district; handsomely-fitted shop, well stocked; Panel about 5,000 per year; property may be bought. 161/23, Office of this Paper.

LONDON, W.—Old-established General Retail Business, under management; Kodak Agency; returns approximately £2,000, plus N.H.I.; price £1,250; large shop and parlour; 28 years' lease; low rental; could rent upper part. 161/17, Office of this Paper.

N.E. COAST (Yorkshire seaside town).—For immediate disposal, old-established Chemist's Business; Wine Licence; Kodak Agency; well stocked; turnover £2,400. Full particulars to bona-fide prospective buyers. 142/27, Office of this Paper.

N.W. COAST.—Good season Business with small winter connection; well stocked and fitted; full particulars at interview; opening for Optics; a profitable business for the right man. 149/27, Office of this Paper.

SHEFFIELD DISTRICT (industrial area).—Well-established Retail and Dispensing Business; takings £15 per week; can be increased; 5 years' lease arranged for shop and living accommodation if required; low rental; price for quick sale £550, or valuation terms arranged. Apply Bashforth & Boler, Chartered Accountants, 45 Bank Street, Sheffield.

SOUTH COAST.—Good medium-class Business on main route; established over 30 years; modern double-fronted shop; new fittings; turnover average for last three years £1,750; rent, including living accommodation, £65; lease 11 years; exceptional opportunity; stock and fittings valued £1,250; accept £1,350. 162/32, Office of this Paper.

SUSSEX COUNTRY TOWN.—Sound Business for disposal; takings £2,000 per annum; main street; Cash trade; 8 rooms over; rent £140 (one let off on lease as office); price £1,500; long lease; genuine. 161/26, Office of this Paper.

WEST LONDON.—Main road, good position, well-equipped and stocked Business for immediate disposal; excellent Optical department included if desired; good Family business, Kodak Agency; great scope for improvement. All particulars from Hill, Wooldridge & Co., 35 Walbrook, E.C.4.

WILTSHIRE.—Unopposed Light Country Business, pleasantly situated and easily worked; turnover last year £1,200; net profit £360; good house and pharmacy; long garden; electric light throughout; stock worth £500; price £800, or offer; every investigation courted. Apply to Sole Agents, Berdoe & Fish, 41 Argyle Square, King's Cross, W.C.1.

DRUG Store; Kodak; brilliant opening for N.H.I.; 1,200 patients opposite shop; nearest opposition 10 minutes; grossly neglected; shop often closed; owner independent; net profit last year £210, accountant's figures; new lease; rent and rates 30s.; upper part house sub-let 15s.; good repair; freshly painted; £600. Baldwin, 194 Trundy Road, Deptford.

EXCEPTIONAL opportunities and well worth attention, all offered at valuation:—(1) High Peak district, well-established, high-class Business, returning £1,600 yearly; easy rent; lease; vendor retiring; about £1,200 required. (2) Bolton, two genuine offers, with or without property; sacrifice owing to continued illness; good profitable returns; chance seldom met with; about £2,000 required for both businesses. (3) Blackpool; good class; splendid position; valuable lease; easy rental; returns £2,200 yearly; about £1,400 required. Other small concerns, Manchester, etc. **BRIERLEY, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Falls-worth 113.)**

FOR immediate disposal, a Seaside Business in Lancashire; returns average £40 per week; Kodak Agency; valuable lease; low rent; living accommodation; price £1,600 or offer; no agents. 161/25, Office of this Paper.

FOR Sale in N. Wales, a prosperous Business which under qualified proprietorship offers vastly improved prospects. Apply to "Cymro," c/o Evans Sons Leecher & Webb, Ltd., Liverpool.

OWNER, retiring, wishes to dispose of his Business in Yorkshire, Family and Agricultural, having big turnover and good profits; unlimited scope; ingoing about £4,000; particulars to prospective buyers only. 162/13, Office of this Paper.

PHARMACIST-OPTICIAN Business for Sale; best position, main thoroughfare, high-class London suburb; long lease at much under present value; exceptionally well-fitted and stocked pharmacy; £900 net profit; increasing; accountant's figures; no agents. Write Box 611, c/o Judds, 47 Gresham Street, E.C.2.

SURGICAL Business, high-class connections, Yorkshire; well-fitted, double-fronted shop; main road; moderate rent; lease; opening for qualified Chemist; reason for disposing, ill-health. Apply 142/947, Office of this Paper.

£150, BARGAIN.—Drug Store, main street, S.W.4, offered for £150; stock at valuation (estimated £140); 16 years unexpired; takings in past averaged £14-£15 as Drug Store; has been neglected; capable of £20-£25 under capable management as Pharmacy; great possibilities for development of rubber goods business, Photographic work, and N.H.I. 156/3, Office of this Paper.

PREMISES FOR DISPOSAL.

OPPOSITE TUBE STATION.

CHEMIST'S opportunity to established remunerative business on high-class promenade at Edgware, opposite Tube Station; centre of large and rapidly growing residential district; first 14 shops all disposed of (including four to handsome drapery establishment); additional six now being completed; wonderful chance for progressive man. Ultimately this important promenade will comprise about 40 shops (Cinema site in addition), and will be principal market centre. Good, deep shops, two floors over, for Sale Freehold, or would be Let on lease to approved trader. Call or write Sole Agent, Leslie Raymond, Chartered Surveyor, 24/25 The Mall, Edgware.

BUSINESSES WANTED.

COMPANY EXTENSION.

BUSINESSES wanted in all districts. Full particulars, balance-sheet if possible (in confidence). 155/30, Office of this Paper.

DRUG Store, with or without Photographics, about £350, with living accommodation, in shopping street. Please give full particulars in first letter. 160/24, Office of this Paper.

MESSRS. BERDOE & FISH have a large number of genuine cash buyers seeking sound concerns in all parts up to £4,000, and cordially invite correspondence from intending vendors. Private register kept and quick sales negotiated without publicity. Transfer Offices, 41 Argyle Square, King's Cross, W.C.1. Telephone: Terminus 5574.

PRIVATE Chemist requires sound, good-class business; turn-over £3,000, or thereabouts, and capable of increase. Please give full particulars, in confidence, of returns, profits, gross and net, rent, length of lease, accommodation and staff, banker's and trade references given if required, A. McKenzie, 5 Park Mansions, St. Leonards-on-Sea.

PRIVATE Chemist wishes to purchase for cash Business, with Panel, on Tyneside; turnover £1,500 or over. Replies treated in strict confidence. 160/1, Office of this Paper.

PATENT FOR DISPOSAL.

ORANGE DRINK MANUFACTURERS.

PATENT RIGHTS FOR SALE.

THE Subscribers are prepared to receive offers for the Patent and Manufacturing Rights of the Sintzel Orange Machine for Scotland, Isle of Man and Carlisle, wholly or in parts, together with Machines and Accessories.

This is an excellent opportunity to acquire the Sole Rights of a patent which has already been successfully established.

Full particulars from the Subscribers.

MCLELLAN, HARRIS & CO., C.A.,
55 Waterloo Street,
Glasgow.

AGENCIES.

CHINA, STRAITS SETTLEMENTS, AND DUTCH EAST INDIES.—London Export Merchants in good position to work Sole Agencies for these territories would be glad to receive proposals from Manufacturers of Chemicals, Druggists' Sundries and allied products. 142/961, Office of this Paper.

SALES DEVELOPMENT.—London firm, experienced in Sales Promotion, Publicity, etc., undertakes to market or extend existing sales. Write (in confidence) to Box No. 456, c/o Hooper & Batty, Ltd., 15 Walbrook, E.C.4.

SITUATIONS OPEN.

RETAIL.

[HOME.]

BIRMINGHAM.—Qualified Manager (male or female) for branch; Dispenser, Salesman, and knowledge of Photography. Please give full particulars and salary required in first letter. Taylor, Chemist, Waterloo Road, South Yardley.

BIRMINGHAM.—Junior Assistant wanted; must be good Dispenser, have some knowledge of Photographic trade, developing and printing; no Sunday or holiday duty. State terms, references, etc., to Tranmer, 42 High Street, Smethwick, Birmingham.

CROYDON.—Part-time Assistant required temporarily, about 5½ days a week; unqualified; not under 30; good Prescriber; trustworthy; lady considered. Dawson, 309 London Road, Croydon.

LIVERPOOL.—Qualified man to take charge of branch, single-handed. State height, age, experience, and salary required (in confidence) to 157/15, Office of this Paper.

LLANDUDNO.—Lady Assistant required soon, with Dispensing, Counter and Photographic experience; must be pharmacy trained. State full particulars, with salary required (outdoors), and photograph, to Miss Horniblow, 4 Queen's Buildings, Llandudno.

LONDON, E.—Junior Assistant required (lady or gentleman) for N.H.I. Dispensing and Counter work. Apply, giving full particulars, experience, age, and salary required, or call, Tate, Francis & Co., Ltd., 57 Roman Road, Bow, E.

LONDON, E.—Experienced qualified Manager (about 30) required for Cash Retail and N.H.I. Dispensing business in industrial area; no house; previous experience of this type essential. State age, previous experience, salary required, and when at liberty. 160/31, Office of this Paper.

LONDON, N.—Qualified Manager for good-class Retail and Dispensing business; age 30-55; knowledge of Optics advantageous; progressive post for capable man. Apply 162/53, Office of this Paper.

LONDON, S.E.—Vacancy for qualified male (26-30), all-round experience, for quick medium class Retail; outdoors. Reply by letter, with fullest particulars, age, height, salary, references and photo (returnable), to 163/17, Office of this Paper.

SHREWSBURY.—Young lady Junior Assistant required; must have passed Preliminary and served regular apprenticeship; short hours; no Sunday duty; outdoors. State age and send photo. A. Williams, Chemist, Shrewsbury.

SOUTH STAFFS.—Manager, young and energetic, to take entire control of Pharmacy doing about £30 weekly, but capable of considerable increase; commencing salary £5 weekly with recognition according to progress; the right man would receive every encouragement. Apply, stating age, references, and experience, to 158/35, Office of this Paper.

WEST LANCASHIRE.—Qualified Manager required, age 30-35, for Cash Retail, Family and N.H.I. Dispensing business in large town; previous experience of this type essential. State age, salary required, and when at liberty. 160/310, Office of this Paper.

ACTIVE Assistant; 23-25; Dispensing and Window-dressing. Full particulars and photo to Knight & Crofts, Chemists, Hinckley.

AN unqualified Junior Assistant wanted; one used to N.H.I. Dispensing and quick Counter trade. Write, stating salary required and references, to Millhouse & Lincoln, Chemists, High Street, Northfleet, Kent.

ASSISTANT; unqualified; age 21 to 26 years; a good all-round experience necessary, and tactful and obliging Counterman. Apply, giving details of experience, age, height, and salary required (with photo if possible) to Kemp & Elmitt, Chemists, Lincoln.

CAPABLE experienced Assistant wanted shortly for front Counter, principally in high-class Dispensing and Retail business; good appearance and address essential; permanency; can wait for right man; age not under 26 years. Photo, with full particulars, salary, experience, etc., 161/22, Office of this Paper.

CAPABLE qualified Senior Assistant, with Optical qualification, required for high-class business in Surrey; applicants must have had first-class experience and be capable of taking entire charge of the Optical department; excellent prospects for first-class man. Apply, giving full particulars of experience, and stating age, when at liberty, and salary required, to 162/24, Office of this Paper.

COMPETENT, qualified Assistant (about 30) required in middle-class Retail, Dispensing, and Photographic business; good all-round man, capable of taking charge; living accommodation provided; salary according to ability. Applicants please give fullest particulars. Martin, Chemist, Christchurch, Hants.

ENERGETIC qualified Manager required for a middle-class Cash Retail business in West London; applicants must be thoroughly conversant with modern business methods and be able to increase turnover. Give full particulars in first letter, stating age, salary required, previous experience, and when at liberty. 160/311, Office of this Paper.

EXCEPTIONAL opportunity, near London, Surrey, for fully-qualified Assistant; lady preferred; must be young and have had first-class Counter experience; Window-dressing ability an advantage; progressive permanency to right person. Reply, full details, 161/21, Office of this Paper.

EXPERIENCED Assistant qualified (outdoors) for high-class Dispensing business, second week in March. Full particulars to R. W. Walden, 65 Elizabeth Street, Eaton Square, S.W.1.

JUNIOR wanted at once for London suburban business; reliable and good Counterman. Write, stating experience and salary required, or phone for interview. A. W. Hanson, 23 High Street, Sidcup, Kent. Phone: Sidcup 8.

JUNIOR Assistant; unqualified; must be smart Salesman and good Window-dresser. Please state salary required, age, and full particulars; South-West area. 160/22, Office of this Paper.

JUNIOR Assistant required for shop in holiday resort in Suffolk; must be a good Window-dresser and Dispenser; knowledge of Photography essential. State age, salary required, and full particulars to 160/312, Office of this Paper.

LADY M.P.S. required as Assistant in a good-class Family business. Please give particulars of experience, age, when disengaged, and salary required (outdoors) in first letter to Harold Dixon, Pharmacist, Dorking, Surrey.

LADY, Junior Assistant; must be smart and obliging at Counter, also accurate Dispenser. Apply, stating age, height, references, salary, and enclose photo, to Dyson, Chemist, 50 Upper Richmond Road, East Sheen, S.W.14.

LADY, Minor qualification, wanted immediately or near future, S.E. London district. State age, experience, and salary. 157/18, Office of this Paper.

MESSRS. COOPER, SON & CO., LTD., require a qualified Assistant (male), with good Dispensing and Counter experience. Write full particulars to "A. J. B. C.", 80 Gloucester Road, South Kensington, London, S.W.7.

PACKER (woman), accustomed to putting up Chemist's Stock (S.W. district). Send full particulars, 162/14, Office of this Paper.

PART-TIME Assistant wanted in London, S.W.8, for four evenings per week and part Saturdays; total 16 to 18 hours per week. Write age, experience and terms to B.M.ZCFG, London, W.C.1.

QUALIFIED Assistant, capable and accurate Dispenser, good Window-dresser, and with pleasing personality in Counter-work, for a high-class pharmacy. Apply, stating full experience, age and salary, 162/22, Office of this Paper.

QUALIFIED Assistant required for Retail business; must be experienced in all branches and capable of taking complete charge. Apply, giving details of experience and salary required, to the Secretary, Lincoln Co-operative Society, Ltd., Bank Street, Lincoln.

QUALIFIED lady wanted for S.E. London by middle of March; easy hours; Dispensing, Prescribing and Light Retail. State age, height, experience, and salary, etc.; photo. Write 142/955, Office of this Paper.

NORTHAMPTON GENERAL HOSPITAL.

QUALIFIED Assistant Dispenser (lady) wanted. Applications, stating age, experience, and salary required, with copies of not more than three testimonials, to reach the undersigned not later than 10 a.m. on the 22nd inst.

H. ST. JOHN WOOD,

11th February, 1929.

Secretary-Superintendent.

REQUIRED, a young energetic qualified Manager, with a view to succession, for a modern, main road business, situated in a large town South Wales; plenty of scope for a good Window-dresser with ideas; cash deposit £200. 161/39, Office of this Paper.

TEMPORARY Assistant required for a month or two; qualification not essential. State age, previous experience, salary required, references. Packer, Chemist, Andover.

WANTED, a Junior or Improver, good Dispenser; also young man as Stock- and Storekeeper. State full particulars and salary required to Bone, Chislehurst.

WANTED, qualified Dispenser for Doctors' Surgery. Drs. Nash, Birks & Nash, 2 Harpur Place, Bedford.

WANTED, immediately or Monday next, smart, experienced Dispenser as Locum for 14 days or longer. State terms and usual particulars for reference to W. Oldham, Chemist, Eton, Windsor.

WANTED, unqualified Assistant, age about 25 years, for West-End; good references essential; salary £3 10s. and commission. 163/24, Office of this Paper.

YOUNG, qualified Assistant required; Dispensing and Counter; thorough knowledge of Photography; capable of taking charge if required. Full particulars, age, experience, salary required; photo if possible (will return). Deakin, Ltd., Wotton Street, Northwich, Cheshire.

WHOLESALE.

CHIEF Assistant Chemist, qualified, experienced in the Manufacture of Pharmaceutical Preparations; energetic and practical. Apply by letter, with particulars of experience, age and salary required, to C. R. Harker, Staggs & Morgan, Ltd., Devon Wharf, Emmott Street, Mile End, London, E.1.

EXPERIENCED Tablet Maker (male or female), with good general knowledge of factory routine; good prospects. State age, experience and salary required, 162/21, Office of this Paper.

EXPORT MAN WANTED.—Old-established Toilet and Perfumery House desires to cultivate Export and Shipping trade; a vacancy thus occurs for energetic man with export experience. Full particulars and wages expected to 142/959, Office of this Paper.

GENTLEMANLY young man, about 25, with a sound knowledge of the Export Drug trade, required by London Wholesale House to represent them amongst Merchant Shippers. State experience fully, and remuneration expected, to 142/950, Office of this Paper.

QUALIFIED man wanted for Wholesale House in East Lancashire; candidates must be willing to represent the house. Apply, stating age, business experience, salary required and copy testimonials, 161/34, Office of this Paper.

REPRESENTATIVE, calling on Chemists and Druggists, required for Midlands for well-known established line; would suit as a side line on commission. 159/36, Office of this Paper.

REPRESENTATIVES required who are already visiting Hospitals, Infirmarys, and Institutions to carry Patented Surgical Appliance as an additional line; liberal commission. Write full particulars, 142/951, Office of this Paper.

REQUIRED, for Midland Counties, by a prominent firm of Wholesale Manufacturing Chemists, a Representative with good connection to sell Packed Pharmaceuticals and Toilet Requisites. Apply, stating age, experience, and salary required, etc., to 142/952, Office of this Paper.

TRAVELLER required, with good connection among Chemists, Hairdressers, etc., for the sale of Toilet Brushes, on commission basis, in the Eastern Counties; if satisfactory during trial period, part expenses would be considered. The London Brush Works, Axminster.

YOUTH required immediately for warehouse work. Apply "C. E. R." Wright, Layman & Umney, Ltd., 45 Southwark Street, S.E.1.

YOUNG ambitious Pharmacist required by London Wholesale House; candidate must have had first-class experience in Retail Pharmacy, and possess an aptitude for representative work. Apply, with full particulars of business history and copies of testimonials, to 142/957, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN.)

COLONIES.—Chemist required, thoroughly *au fait* with manufacture of Colloids, Ethers, Absolute Alcohol, Amyl Nitrite and other spirituous preparations. Apply with usual particulars as to experience, etc., to P.C.B., 5/25, Office of this Paper.

ITALY.—Two qualified Assistants required immediately for first-class Pharmacies in Florence and Naples; must be neat and accurate Dispensers of good appearance and address, and good Countermen; previous Continental experience an advantage, but not essential. Full particulars in first letter, stating age, experience, and enclosing photograph, which will be returned. H. Roberts & Co., Florence, Italy.

WEST AFRICA.—An English company have a vacancy on their staff for an Assistant with the qualification of the Pharmaceutical Society; must be unmarried and not over 30 years of age; salary £550 per annum, servant allowance, free quarters; first class passage out and home; 4 months' leave after 28 months, full pay on leave; appointment made by directors in this country; expenses paid for interview when required. Applications, in writing only, giving age, experience, references and photograph, to the Secretary, West African Drug Co., Ltd., 40 Hanover Street, Liverpool.

SITUATIONS WANTED.

RETAIL. [HOME.]

AN Assistant; 24; tall; excellent experience, Dispensing and Counter; excellent references; temporary or permanent; used sole charge. "S." 61 Holland Road, Brixton, S.W.9.

AN energetic Junior, age 21, good all-round London experience, requires berth; East Coast preferred; tall, of good appearance, and capable of taking charge. Please reply 159/36, Office of this Paper.

ARE you looking for a Manager or Senior? A well-educated Pharmacist (30) at liberty; competent, conscientious, all-round experience; additional to 3 years' medical training. "Pharmacog," 58 Egerton Street, Ashton-under-Lyne, Lancs.

AS Manager; qualified; thoroughly experienced, active and energetic; preferably with view to an investment in business; disengaged; excellent references; Midlands preferred. 161/29, Office of this Paper.

AS Manager, Senior or General Assistant, Drug Stores or live business; good all-round general experience, multiple shops and fast trade; Prescriber, Counterman, Salesman. "G." 130 Scott-Ellis Gardens, N.W.8.

ASSISTANT, 25, unqualified, seeks post; all-round experience; moderate salary; disengaged. Woolmer, 4 Wood Street, Cuxton, Rochester, Kent.

ASSISTANT: 22; unqualified; four years' experience; Counter and Dispensing; highest references; London preferred. P.C.B. 5/25, Office of this Paper.

ASSISTANT: unqualified; town or country; 25 years' all-round experience; very moderate salary. "Chemicus," 56 Norroy Road, Putney.

ASSISTANT (lady); unqualified; 25; experienced in Dispensing, Counter and Book-keeping; good references. 157/14, Office of this Paper.

ASSISTANT, 33, married, 14 years' experience, good-class Retail, Dispensing and Photography, with living accommodation preferred, but not essential. Andrews, 101 Boundary Road, St. John's Wood, N.W.8.

ASSISTANT, 24, good appearance, 5 ft. 9 in., good all-round experience home and abroad seeks position in City or West-End. BM/EVBS, London, W.C.1.

ASSISTANT, unqualified, 28, desires permanency or relief; Lancs or Yorks preferred; first-class experience and references. "M. J.," 13 Hangingroyd Lane, Hebden Bridge, Yorks.

BRISTOL (or district).—Qualified, 28, requires permanency, preferably as Manager; good address; excellent references. 162/26, Office of this Paper.

BRANCH Manager; qualified; 17 years' record; satisfaction throughout, as now; present change unavoidable; disengaged short notice if required; locality optional. Johnson, c/o Luttler, Hemel Hempstead, Herts.

CHEMIST-OPTICIAN, J.C.Q.O., desires position as Manager or Assistant in sound business in Manchester district, with view to early succession. 161/8, Office of this Paper.

DISENGAGED, Scot. 33, tall, experienced, Windows, Sales, Dispensing, etc.; Manager or Assistant; qualified. "Homecroft," London Road, Copford, Colchester.

DISENGAGED, qualified, experienced, Locum or part-time Superintendent; moderate salary. "Pharmacist," 67 Western Road, Ealing, W.

DISENGAGED.—Qualified, experienced Pharmacist; middle-aged; active; Locum or permanent; good Dispenser. "M.P.S.," 156 Clapton Lower Road, E.5.

ENERGETIC Counterman and Dispenser, with excellent references, desires immediate Locum or permanency; unqualified. "F.," 151 Mount View Road, N.4.

EXPERIENCED Pharmacist wants Managership with view to Partnership or purchase in good-class business; many years' West-End manager. 160/34, Office of this Paper.

JUNIOR Assistant, excellent Dispensing and Counter experience, desires post in high-class business; Bristol or Bath district. 145/12, Office of this Paper.

LADY Dispenser, qualified, requires post with Chemist or Doctor in London; 14 years' experience. "L. S.," 156 Elgin Avenue, W.

LADY Dispenser, aged 25, Hall certificate, experienced in Hospital and private Dispensing, requires temporary or permanent post. Apply 144/30, Office of this Paper.

LADY Dispenser wants part-time post, W. or S.W. London; some experience; Shorthand, Typewriting; can drive car. 163/13, Office of this Paper.

LOCUM, Pharmacist-Optician; disengaged; experienced all branches; excellent references; terms moderate. "Pharmacist," 13 Seymour Street, Balsall Heath, Birmingham.

LOCUM; experienced in all branches; qualified; active; excellent references; terms moderate; disengaged now. "S. C. L.," 54 Priory Road, West Hampstead, N.W.6. Phone: Hampstead 7151.

MANAGER; experienced all branches; good Window-dresser, Photo. "Qualified," "Oakwood," Chelmsford Road, South Woodford, E.18.

MANAGERSHIP required in progressive business; accustomed to high-class Dispensing, Surgical, Photo, Optics, etc.; £5 and commission; London or suburbs preferred. "M.P.S.," 160/27, Office of this Paper.

MANCHESTER AREA.—Young qualified man desires post as Branch Manager (preferred) or Assistant; excellent references; studying Optics. Oldham, 195 Mottram Road, Hyde.

M.P.S., 45, good personality and references, hard worker, good Window-dresser, 20 years' experience, managing surgical instrument and appliance businesses, desires position with view to Partnership with good-class firm to extend or develop Surgical trade in good-sized health resort. Anderson, 26 Coronation Drive, Crosby, Liverpool.

M.P.S., LADY, desires post; Locum or permanency; references. 161/37, Office of this Paper.

M.P.S., 28, desires position as Manager in good-class business; London, provincial and Continental experience; good appearance and address; excellent references; at liberty very shortly. 162/7, Office of this Paper.

M.P.S. DESIRES position as Manager; good all-round experience; some knowledge of Optics; Wales or Midlands preferred, not essential; fluent Welsh; free end February; highest references. 161/24, Office of this Paper.

PERMANENCY.—Qualified lady requires position in a good Family and Dispensing business. 162/30, Office of this Paper.

PART-TIME, or short hours; middle-aged; Pharmaceutica Chemist; strong and healthy; Churchman; total abstainer; willing and obliging; trustworthy; just retired; good credentials. "H. E. H.," 45 Lambton Road, Hornsey Rise, N.19.

PHARMACIST of good address and with exceptional experience as a manager desires engagement as Manager with view to Partnership. Apply 142/954, Office of this Paper.

PHARMACIST, F.I.O.O., desires Managership; married; 45; excellent all-round experience, Photography, Salesmanship, Displays, Optics; highest references; abstainer; disengaged; permanency; London, Midlands. "Chemicus," 13 Seymour Street, Balsall Heath, Birmingham.

PHARMACIST, 33, married, tall, experienced Retail, Hospital, etc., desires Manager's or other responsible post; excellent references; free early March. Apply 162/36, Office of this Paper.

PHARMACIST, Square trained, F.S.M.C., F.B.O.A., reg. J.C.Q.O., desires post in London; 8 years' experience; abstainer; free beginning March; can take charge. 162/1, Office of this Paper.

POSITION of Secretary-Receptionist wanted to Specialist or Doctor by officer's widow; aged 30; disengaged. 160/30, Office of this Paper.

QUALIFIED, 25, tall, good appearance, etc., desires responsible position in good-class pharmacy; first-class experience, London and provinces; excellent references; free end of month. Hancock, Richmond House, Nantwich, Cheshire.

QUALIFIED, 36, single, Manager or Assistant, desires permanency; all-round experience. Smith, 72 Strahan Road, London, E.3.

QUALIFIED, 26, tall, suburban and provincial experience, desires situation; London or Lancashire preferred; undeniable references. "Chemist," 2 Bridge Street, Carnarvon.

QUALIFIED; experienced; Locum or permanent; S.E. district preferred. "Statim," 23 Cleveland Road, Welling, Kent.

QUALIFIED, age 27, married, desires progressive position; all-round experience; living accommodation preferred, but not essential. 162/8, Office of this Paper.

QUALIFIED, at present managing, desires post; well experienced; capable of filling any position; South-West England preferred. 162/12, Office of this Paper.

QUALIFIED (1906); high-class experience; competent and reliable; excellent references; good Dispenser. "Z," 3 High Street, Emsworth, Hants.

REFERRED Pharmacy desires post; 28; tall; twelve years' experience. Williams, "Berwyn," Rhiw Bank Avenue, Colwyn Bay.

UNQUALIFIED Assistant; smart, active, wide experience; age 33; capable of sole management; West-End or South-West suburb preferred. 142/960, Office of this Paper.

UNQUALIFIED, 23, tall and good appearance, desires situation; Counter and Dispensing; 6 years' experience. N. L. Jeeves, Park View, London Road, Ewell, Surrey.

UNQUALIFIED, 20 years' experience, age 40 years, abstainer, seeks position as Senior Assistant. Please reply to "Boracis," 3 Island Road, Sturry, Kent.

UNQUALIFIED Assistant, just over 30, requires comfortable berth; capable in taking charge; good references and trustworthy. Full particulars to T. Lloyd, c/o 52 Castle Street, Caerphilly, Glam.

WHOLESALE.

ADVERTISER, with thorough knowledge of every branch of the Drug trade, especially Serums, Anaesthetics, etc., desires post as Representative, preferably calling on the Medical Profession; own car. Replies please to 161/28, Office of this Paper.

ADVERTISER, with 20 years' experience manufacturing and distribution, seeks re-engagement, London or Eastern Counties; excellent references; keen, reliable, and not afraid of work; disengaged. "Ammon," 161/27, Office of this Paper.

AN accomplished Medical Interviewer and expert Propagandist, with a unique knowledge of medical men, their requirements and susceptibilities, desires re-engagement either for medical propaganda only or with sales. "Medico," 162/27, Office of this Paper. Will advertiser please send name and address?

AUSTRALIAN qualified Pharmacist, B.Sc., Retail, Manufacturing, Analytical experience, young, seeks position; preferably administrative; Great Britain or abroad. P.C.B. 5/17, Office of this Paper.

ENERGETIC Representative, covering Northern Counties and Scotland, own car, seeks touch enterprising Proprietary House; splendid connection Chemists, Stores and Hairdressers. 162/23, Office of this Paper.

REPRESENTATIVE, capable, energetic, keen salesman, 20 years' experience, including all branches of the trade and Optics, desires post with good house; keen on propaganda work; own car. Replies please to 161/280, Office of this Paper.

REPRESENTATIVE, shortly becoming disengaged, is open to represent a Perfumery House of repute for Lancashire and Cheshire; excellent connection among Wholesalers, Chemists, leading Stores, etc. 160/7, Office of this Paper.

FOR SALE.

COMPLETE set of solid mahogany Pharmacy Fixtures; must be sold by 28th inst. Write in first instance The Tolbooth Chemist, Canongate, Edinburgh.

FOR Sale, Kodak Velox Model B Print Dryer; cost £45; electric driven; gas heated; can be run by hand; perfect condition; just fitted new cloths; cash price £15, first offer. Burbins, 12 Broadway, Wimbledon.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.

Why keep them any longer? Turn them into CASH.

I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

KODAK "Auto Focus" Enlarger, Anastig. F. 6.3, £15; set of three Houghton's Teak D. & P. Tanks, 30s.; 4 x 15 ft. Oxygen Cylinders, 20s. each; 1 x gauge and fine adjustment for same, 30s.; 1 x Junior Pako Printer, 30s.; all carriage forward. Clarke, Chemist, Newport, Mon.

OAK Fittings of first-class Pharmacy at half cost; also Shop Rounds, Scales, etc. Address by letter only, "Pharmacist," 42 Albion Road, Handsworth, Staffs.

MISCELLANEOUS.

CHEMIST FITTINGS.—Complete Fittings in stock. Ranges of Drug Drawers with glass labels, shelving and lockers, glass-fronted Counters, Dispensing Screens, Wall Cases, etc.; all made in sections which any local man can fix. Also Second-hand Fittings, Shop Rounds (ribbon and recess labels); Cash Tills from 15s. 6d. Kwik-Sale Case, special Chemist design. **D. MATTHEWS & SON**, Chemist Fitters, 14 and 16 Manchester Street, Liverpool.

CHEMISTS' FITTINGS.—Showcases, Wallcases, Drugfittings, Counters, Drawers at low prices. Before you decide send to **GEORGE COOK**, the well-known Chemists' Fitter, 27 Macclesfield Street, City Road, E.C.1.

FOR Sale, 25 cwt. best animal Charcoal; reasonable offer accepted. **ROSE**, 89 Worship Street, E.C.2.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 219 Old Street, London, E.C.1.

THE following Alcoholic Essences of good well-known brands, Lemon, Marisquino, Raspberry, Strawberry, Banana, etc., cheap for disposal. 159/37, Office of this Paper.

£90.—10 ft. Drug Fitting, comprising cupboards, drawers, lockers, cornice and shelving; 8 ft. Serving Counter with glass cases in front; 6 ft. Dispensing Screen and Counter; 6 ft. Wall Case, Perfume Case and Desk; Counter Drawers; mahogany; packed and free on rail London. **PHILIP JOSEPHS & SONS, LTD.**, 90 and 92 St. John Street, Clerkenwell, London, E.C.1. "Pharmacy Fitters for Over a Century."

£95 **FOR** A COMPLETE SET of Pharmacy Fittings, ready for immediate use, 10 ft. mahogany Drug Fitting with showcase, drawers, cupboards, shelving; etc.; 6 ft. Wall Case in two heights; 6 ft. Dispensing Screen with showcases and bevelled mirror in centre; 10 ft. mahogany Serving Counter with cases in front; two nests of Counter Drawers; plate-glass Counter Case, Perfume Showcase and Desk, Check Till. **PERCY R. E. JOSEPHS**, 68 Old Street, 1/5 Tilney Court, London, E.C.1. Phone: Clerkenwell 0929.

£87 15s.—**SET** OF MAHOGANY FITTINGS.—10 ft. Drug Rnn, 30 drawers (glass knobs and labels), shelves, cupboards and lockers; 10 ft. glass-fronted Counter, nest of 13 drawers at back; 6 ft. Wallcase, 6 ft. Dispensing Screen, Perfume Case and Desk. Illustrations on request. **E. BERG, LTD.**, 335 Old Street, London, E.C.1.

EXCHANGE COLUMN.

FOR DISPOSAL.

LONDON HOSPITAL, E.—Dispensary has for disposal eight sets, each consisting of about 50 N.M. dust-proof Stopped Shop Rounds, 12 oz., labelled with indestructible raised enamel letters; can be seen by appointment. Offers for the whole or part should be addressed to the Pharmacist.

WANTED.

GOWER, Chemists' Bookseller, 41 Voltaire Road, Clapham, wants Pharmaceutical Books, including Pharmaceutical Formulas, B.P.C., P.J.F., Optical Books.

SIFTING AND MIXING MACHINE (Gardner's preferred), Size and price to 142/949, Office of this Paper.

WORKING RECIPE required for Soluble Coffee. Write particulars and state price to 142/956, Office of this Paper.

THE CHEMIST'S COMPACT LIBRARY

MONEY-MAKING AND MONEY-SAVING BOOKS

Every Book by an Expert

Pharmaceutical Botany

An attractively written book, dealing with the plants mentioned in the examination syllabus of the various pharmaceutical examining bodies. Botanical terms which at first sight are forbidding in appearance are explained so that the meaning is made crystal clear. A useful gift for apprentices and assistants who have not passed the qualifying examinations.

Price 5s., by post 5s. 4d.

The Art of Dispensing

The tenth edition of this well-known work is now ready. The book has been thoroughly revised and considerably improved, while maintaining the features which have made it so popular with several generations of students. It is kept by chemists in the dispensary for ready reference in cases of difficulties arising in the course of the day's work.

Price 8s., by post 8s. 6d.

Veterinary Counter Practice

Reprint of the seventh edition has just been issued. Chemists interested in veterinary practice will find the work indispensable, as it deals with the ailments of horses, cattle, sheep, pigs, dogs, and poultry, and the remedies that can be supplied.

Price 7s. 6d., net, by post 8s.

The Photographic Chemist

This is a concise guide to chemists commencing and carrying on a photographic department. The book is a reprint of the treatise in *The Chemist and Druggist Diary*, 1926, with additional chapters and formulas.

Price 3s. 6d., by post 3s. 8d.

Diseases and Remedies

Chemists and Druggists need to know something about diseases and their treatment, and this book fills the gap between books of domestic medicine and standard works for medical practitioners. (Fifth Edition.) Contains 264 pages.

Price 5s., net, by post 5s. 3d.

Guide to Preliminary Examinations
Deals with English, Latin, Arithmetic, Algebra, Euclid, and French, as required in the principal examinations recognised by chemical, medical, and pharmaceutical bodies.

Price 3s. 6d., net, by post 3s. 9d.

Wootton's Chronicles of Pharmacy

In two vols., maroon cloth, comprising 770 pages.

Price 10s. 6d., net, by post 11s. 3d.

Minor Experiences

Gives over fifty candidates' descriptions of the Minor Examinations as conducted by the Boards of Examiners in London and Edinburgh, prefaced by the official syllabus and other useful information. Indispensable to all chemists' apprentices and assistants who have not qualified, as it is the only book giving the questions and work of the Examination. Contains 116 pages.

Price 2s. 6d., net, by post 2s. 8d.

Practical Methods of Urine Analysis

This department of chemistry is one which those behind the drug counter can profitably cultivate. The object of this book is to give chemists exactly the information they want on the subject. The book is written by a working pharmacist who is expert in the subject, and has been revised by a M.B., Lond. (Third Edition.)

Price 3s. 6d., net, by post 3s. 8d.

The Chemists' Dictionary of Medical Terms and Treatment

A small book which explains the meaning of medical terms as to which customers often inquire from chemists. In addition to concise definitions of these technical terms, notes are given on the treatment of the more important ailments.

Price 3s. 6d., by post 3s. 8d.

The C. & D. Price List Formulary, "P.L.F."

All users of the C. & D. Retail and Dispensing Price List require a copy of this Formulary. It brings together the formulas for unofficial preparations, the prices of which are quoted in the Price List. It is a choice collection of good formulas for articles in everyday request by the public.

Price 2s. 6d. post free.

Provincial Hospital Pharmacopœias

Uniform with the "Chemists' Dictionary," contains 296 pages and consists of formulas for medical prescriptions used in twenty-two hospitals and infirmaries in Great Britain outside the London district.

Price 3s., net, by post 3s. 2d.

FOREIGN CORRESPONDENTS are requested to note that the postage is 2d. extra for each book

May be obtained at the published prices from the Wholesale Drug or Sundries House, or from

THE CHEMIST & DRUGGIST, 42 CANNON ST., LONDON, E.C.4

Branch Offices: MELBOURNE and SYDNEY, AUSTRALIA;
49 County Buildings, Manchester; 54 Foster's Buildings, Sheffield.

For
CHEMICALS
at the
BRITISH INDUSTRIES FAIR
— 1929 —

From February 18th to March 1st
visit the
CHEMICAL SECTION, HALL "K"
White City Shepherds Bush, W.12



*This preliminary announcement is made by
The Association of British Chemical Manufacturers
through the courtesy of*

WHIFFEN & SONS, LTD.

Incorporating

GEORGE ATKINSON & CO.

Battersea and Fulham London, S.W.

STAND No. K109

TO WHOLESALE & EXPORT TRADES

ESTABLISHED 1846

Extracts
Tinctures in Bond
Resinoids



RANSOMS

Aloin
Scammony Resin
Podophyllin

WILLIAM RANSOM & SON, LTD.

MANUFACTURING PHARMACEUTICAL CHEMISTS,
Distillers of Essential Oils and Cultivators of Medicinal Plants.

HITCHIN, near LONDON.

Telephone : 95 HITCHIN.

The Association of Manufacturing Chemists

For the Protection of the Drug, Chemical, Perfumery, Photographic, Optical, Soap and Allied Trades. LIMITED

Parkin S. Eooth, Managing Director.

Head Office : KIMBERLEY HOUSE,

HOLBORN VIADUCT, LONDON, E.C.1.

Phone: CITY 1261-2-3.

Status Enquiries, Debt Recovery, Valuations, Transfers, Investigations,
Sales, Purchases, &c.

LIVERPOOL : 2, BIXTETH STREET.

Subscription : £2 2 0 per annum.

For SHOPFITTINGS, SHOWCASES or SHOPFRONTS

Send enquiries to : **PERCY R. E. JOSEPHS**

68 Old Street, 1/5 Tilney Court,
125 Lever Street, LONDON, E.C.1

Plans, Sketches and Estimates or Illustrated Catalogue Post Free on Application.



N

"NORGINE"
PRODUCTS.

66
TRADE
MARK

NORMACOL

99
BRAND

Intestinal Evacuant.

THE DEMAND for this product is increasing daily, owing to our persistent medical propaganda. We therefore invite your co-operation in carrying stock or in promptly obtaining supplies.

Packings and Retail Prices. (P.A.T.A.)

Tins containing 4 ozs.	2/6	} Subject to usual discounts.
" " 16 "	..	..	..	9/0
" " 5 lbs.	..	..	..	40/0

H. R. NAPP LIMITED, 3 & 4, Clements Inn, London, W.C.2

